date	from	to	Upwork time tracker	Upwork manual time	develop (unpaid)	research (unpaid)
Mon 22 Jun 2020	09:50	10:05				00:15
	10:10	**12:17**	02:07			
	13:22	**13:53**	00:31			
	13:58	14:25				00:27
	14:25	**15:16**	00:51			
	15:24	**17:03**	01:39			
	17:09	17:13				00:04
	17:13	**17:46**	00:33			
Tue 23 Jun 2020	07:15	07:40				00:25
	07:55	08:26				00:31
	08:26	08:40				00:14
	08:57	**12:05**	03:08			
	12:50	**14:18**	01:28			
	14:18	15:06				00:48
	16:10	16:39				00:29
	16:39	**18:21**	01:42			
Wed 24 Jun 2020	08:30	10:12				01:42
	10:12	10:36				00:24
	10:36	**12:25**	01:49			
	12:25	12:57				00:32
	13:20	13:50				00:30
	13:50	**16:59**	03:09			
Thu 25 Jun 2020	08:20	10:30				02:10
	12:10	**12:46**	00:36			
	13:07	13:39				00:32
	14:06	**16:38**	02:32			
	16:38	17:08				00:30
Fri 26 Jun 2020	08:32	09:19				00:47
	08:53	12:44				03:51
	13:10	16:49				03:39

20:05	**0:00**	**0:00**	**17:50**
Upwork time tracker	**Upwork manual time**	**develop (unpaid)**	**research (unpaid)**

20:05	0:00	0:00	17:50

activity
housekeeping
fachinfo
section titles
wx samples study
section titles
section titles
study AmiKo osx
coloring of packages
housekeeping, posted issue to Slack
study AmiKo osx
call with Zeno
expand GUI
port more classes
wx samples study
preparation
patient and doctor modal sheets
testing on Lubuntu 20.04 VM
debug issue #7
SQLite included into sources
debug issue #8
debug issue #8 on Linux VM
replace htmlView with webkit
calls and messaging with Zeno
Issue #9
debugging
Issue #9 and dark mode with CSS
housekeeping and commenting on issues
Linux debugging and development environment setup
Linux debugging and development environment setup
Linux debugging and development environment setup

#	date	from	to	Upwork time tracker	Upwork manual time	develop (unpaid)	research (unpaid)
1	Wed 18 Apr 2018	**17:42**					
2		18:18					
3		18:24					
4			**19:14**	01:32			
5	Thu 19 Apr 2018	14:20	15:58				01:38
6		**19:40**					
7			**20:19**	00:39			
8	Fri 20 Apr 2018	**09:20**	**09:59**	00:39			
9		09:59	19:15				09:16
10		**10:37**					
11			**12:43**	02:06			
12		**14:11**	**14:19**	00:08			
13		**14:23**	**15:03**	00:40			
14		**18:27**	**18:54**	00:27			
15		20:00	20:40			00:40	
16	Mon 23 Apr 2018	**10:08**	**12:33**	02:25			
17		**13:18**					
18			**14:13**	00:55			
19		14:13	14:48			00:35	
20	Tue 24 Apr 2018	**13:54**	**15:19**	01:25			
21	Thu 26 Apr 2018	08:46					
22			10:57			02:11	
23		11:02					
24		11:39					
25			12:10			01:08	
26		12:36	12:50			00:14	
27		13:11					
28		13:20					
29			15:55			02:44	
30		16:25					
31			16:50			00:25	
32	Fri 27 Apr 2018	09:40	12:00			02:20	
33		13:00	13:29			00:29	
34	Mon 30 Apr 2018	**11:15**					
35			**12:11**	00:56			
36		?	17:41				
37	Wed 02 May 2018						
38							
39							
40							
41							
42							
43							
44							
45							
46	Fri 11 May 2018	14:15					
47							
48							
49							
50							
51							
52							
53	Mon 14 May 2018	**09:20**					
54							
55			10:40				

#	Date	Col3	Col4	Col5	Col6
56		12:13			
57		12:33			
58		**12:37**		03:17	
59		**17:30**			
60					
61					
62					
63		18:35			
64		**18:50**		01:20	
65	Tue 15 May 2018	09:11			
66		**09:14**			
67		09:22			
68					
69		**11:32**	02:18		
70		11:39	11:54		00:15
71		**11:55**			
72		**12:37**	00:42		
73		**12:55**			
74		13:13			
75		13:24	**13:31**	00:36	
76		13:31	14:01		00:30
77		**14:01**	**14:13**	00:12	
78		**14:17**			
79		**14:45**			
80		**15:06**	00:21		
81		15:06	15:17		00:11
82		**15:18**			
83		15:38			
84					
85		**15:53**	00:35		
86	Thu 17 May 2018	09:04			
87		09:06			
88		09:28			
89		09:30			
90		09:45	09:50		00:46
91		15:11			
92			15:43		00:32
93		15:43	16:02		00:19
94		**19:24**			
95		19:37			
96		**19:38**		00:14	
97	Fri 18 May 2018	10:28	10:38		
98		**10:38**	**11:43**	01:05	
99		11:43	11:47		00:04
100		11:50	13:04		01:14
101		13:22	13:30		00:08
102		**13:30**	**13:42**	00:12	
103		13:42	13:54		00:12
104		**14:01**	**14:12**	00:11	
105		14:12	14:17		00:05
106		**14:18**	**14:26**	00:08	
107		14:26	14:35		00:09
108		14:35	14:55		
109					
110		15:20	15:49		
111			16:39		02:04
112	Mon 21 May 2018	08:45	09:28	00:43	
113					

#	Date	Start	End	Dur1	Highlight	Col6	Col7
114		**09:48**	**10:04**	00:16			
115		10:04	10:32				00:28
116		**10:33**	**11:42**	01:09			
117		11:46	11:59			00:13	
118		11:59	12:02				00:03
119		12:26					
120			12:42			00:16	
121		**13:00**	**14:50**	01:50			
122		14:50	15:37			00:47	
123		**16:06**	**17:42**	01:36			
124		17:42	17:50				00:08
125		17:50	18:12				
126		18:14					
127	Tue 22 May 2018	09:35	09:44			00:09	
128		**09:44**	**11:32**	01:48			
129		11:32	11:43				00:11
130		11:43	11:52				00:09
131		11:52	12:33			00:41	
132		12:57	13:20			00:23	
133		13:20	13:30				00:10
134		13:44	14:08				00:24
135		19:57	20:37				00:40
136	Wed 23 May 2018	08:52	08:57				00:05
137		**08:57**					
138			**09:47**	00:50			
139		10:15	10:30				00:15
140		12:20	12:52			00:32	
141		**13:15**					
142		13:22					
143		13:28					
144		13:39	**14:17**	01:02			
145		**14:24**					
146			**14:35**	00:11			
147		14:41	14:48				00:07
148		14:48	16:36			01:48	
149	Thu 24 May 2018	08:49	11:03			02:14	
150		11:20					
151			12:22		01:02		
152		13:56	14:30				00:34
153		15:20	15:30			00:10	
154	Fri 25 May 2018	14:44					
155			15:15		00:31		
156		15:22	15:30				00:08
157		15:30	15:35			00:05	
158		15:35	15:45				00:10
159		15:45	15:47			00:02	
160		15:55	16:35			00:40	
161	Mon 28 May 2018	09:30	09:47				00:17
162		09:56					
163			11:42			01:46	
164		13:06	13:10				00:04
165		17:45	17:54			00:09	
166	Tue 29 May 2018	12:30					
167			12:38			00:08	
168		18:24	18:32			00:08	
169	Wed 30 May 2018	09:30					
170		09:39					
171			09:44			00:14	

172		**15:05**				
173		15:18	15:50			
174		15:51	15:53			
175			**16:00**	00:55		
176	Mon 04 Jun 2018	08:25	08:45			00:20
177		08:45				
178		09:05	09:19		00:34	
179		09:19	09:29			00:10
180		09:30	09:50		00:20	
181		09:50	10:00			00:10
182		10:00				
183		10:23	11:19		01:19	
184		11:24	11:50		00:26	
185		11:50				
186		12:00	12:35		00:35	
187		12:40	12:45			00:05
188		13:07				
189		15:42	15:44		02:37	
190	Wed 06 Jun 2018	09:10				
191			09:34		00:24	
192		09:44	09:48			00:04
193		09:54	12:56		03:02	
194		14:50				
195		17:24	18:34		03:44	
196		18:34	19:11			00:37
197	Thu 07 Jun 2018	10:29	10:39			00:10
198		10:40	11:41		01:01	
199		11:41	11:52			00:11
200		11:52				
201		12:24	12:45		00:53	
202		13:15	13:56		00:41	
203	Fri 08 Jun 2018	08:05	08:07			00:02
204		08:07	10:05		01:58	
205		10:17	11:28		01:11	
206		11:28	11:29			00:01
207		11:29	12:03		00:34	
208		12:03	12:40			00:37
209		13:04	14:18		01:14	
210		14:18	14:48			00:30
211		14:53				
212		15:47				
213			16:26		01:33	
214		16:38	16:46			00:08
215	Mon 11 Jun 2018	11:11	11:13			00:02
216		13:31	15:03		01:32	
217		15:40	16:52		01:12	
218	Tue 12 Jun 2018	14:25	15:18		00:53	
219		15:18	15:21			00:03
220		15:21	15:36		00:15	
221		15:36	15:40			00:04
222		15:40	18:32		02:52	
223	Wed 13 Jun 2018	11:01	13:14		02:13	
224		13:31	13:38		00:07	
225		13:38	14:46			01:08
226		14:49				
227		15:40	15:49		01:00	
228		15:49	16:06			00:17
229		16:14	16:35			00:21

#	Date	Start	End	Dur1	Dur2	Dur3	Dur4
230		16:35	16:44			00:09	
231	Thu 14 Jun 2018	18:18	18:31				00:13
232		18:31	19:06		00:35		
233		19:19	19:25				00:06
234		**19:28**	**19:44**	00:16			
235		19:44	19:51				00:07
236	Fri 15 Jun 2018	**08:40**	**11:18**	02:38			
237		**12:35**	**12:41**	00:06			
238		12:52	14:11		01:19		
239		**14:16**	**14:55**	00:39			
240		**15:08**					
241		15:33	**15:34**	00:26			
242	Mon 18 Jun 2018	08:42	08:52				00:10
243		09:02	09:13			00:11	
244		10:33	10:53		00:20		
245		**12:07**	**12:34**	00:27			
246		**13:04**	**13:44**	00:40			
247		13:44	13:52				00:08
248		**13:59**	**15:20**	01:21			
249		15:24	15:41				00:17
250	Tue 19 Jun 2018	**09:27**	**09:42**	00:15			
251		09:42	09:47				00:05
252		09:48	10:12		00:24		
253		**10:12**					
254			**10:31**	00:19			
255		10:31	10:55				00:24
256		13:35	13:55				00:20
257		13:55	14:09			00:14	
258		15:56	16:14		00:18		
259		**16:20**					
260		16:39					
261		17:08					
262			**17:27**	01:07			
263	Wed 20 Jun 2018	10:38	10:43				00:05
264		**10:43**					
265		11:17					
266		12:10	**12:12**	01:29			
267		12:20	12:48				00:28
268		12:57	13:28				00:31
269		13:56	15:09				
270			16:01			02:05	
271		18:05	18:56			00:51	
272	Thu 21 Jun 2018	09:03	09:11				00:08
273		09:45					
274		10:05	10:28		00:43		
275		10:28	10:52				00:24
276		10:52	11:24			00:32	
277		**11:24**	**11:28**	00:04			
278		11:28	11:37				00:09
279		**11:38**	**12:11**	00:33			
280		12:15	12:22				00:07
281		12:22	12:31				00:09
282		12:31	12:52				00:21
283		15:20	15:49			00:29	
284		15:49	15:56				00:07
285		15:56	16:32		00:36		
286		16:32	16:43			00:11	
287		16:43	18:08				01:25

#	Date	Start	End				
288		18:08	18:20				00:12
289	Fri 22 Jun 2018	09:14	09:42			00:28	
290		09:51	10:11				00:20
291		10:15	10:21			00:06	
292		10:21	10:25			00:04	
293		10:25	10:33				00:08
294		10:35	10:43				00:08
295		11:20	11:36				00:16
296		**11:36**	**12:47**	01:11			
297		13:11	13:18				00:07
298		13:18	13:31			00:13	
299		**13:31**					
300			**13:44**	00:13			
301		14:04	14:23				00:19
302		**14:23**	**14:34**	00:11			
303		14:37	15:01				00:24
304		**15:01**	**15:22**	00:21			
305		15:36	15:47				00:11
306		**15:47**	**16:03**	00:16			
307		16:03	16:23			00:20	
308	Mon 25 Jun 2018	11:08	12:40			01:32	
309		13:50	13:59			00:09	
310		14:29	14:49			00:20	
311		14:49	15:08		00:19		
312		16:00	16:21				00:21
313		**16:22**	**16:28**	00:06			
314	Tue 26 Jun 2018	09:44	09:48				00:04
315		09:50	12:20			02:30	
316		16:25	16:30				00:05
317	Wed 27 Jun 2018	13:32	13:42			00:10	
318		14:01	15:01			01:00	
319		**18:10**	**19:21**	01:11			
320		**19:38**	**20:01**	00:23			
321	Thu 28 Jun 2018	**08:48**					
322		08:55					
323		09:10	**09:42**	00:54			
324		09:52	10:26			00:34	
325		10:26	10:29				00:03
326		10:29	10:42			00:13	
327		10:42					
328							
329			11:31				00:49
330		13:22	13:28			00:06	
331		**13:28**	**13:44**	00:16			
332		13:51	14:12				00:50
333	Fri 29 Jun 2018	**09:21**	**10:22**	01:01			
334		10:22	10:30				00:08
335		10:30	10:47			00:17	
336		10:58	11:05				00:07
337		11:05	12:13			01:08	
338		14:03	14:06				00:03
339		**14:06**	**14:11**	00:05			
340		14:15	14:18				00:03
341		14:48	15:00			00:12	
342		15:11	15:40				00:29
343		17:12	18:33			01:21	
344	Mon 02 Jul 2018	09:20	10:20			01:00	
345		10:20	10:25				00:05

	Date	Start	End	Duration	Phase5	
346		10:25	11:08		00:43	
347		11:20	12:23		01:03	
348		12:45	15:11		02:26	
349		16:01	16:23			00:22
350	Tue 03 Jul 2018	09:28	10:59		01:31	
351		13:19	13:33		00:14	
352		13:33	13:45			00:12
353		13:45	14:41		00:56	
354		14:55	15:29		00:34	
355		15:35	15:44			
356	Wed 04 Jul 2018	09:16	09:26			00:10
357		10:45	12:44		01:59	
358		13:06	14:40		01:34	
359		14:55	15:07		00:12	
360		15:40	15:44			00:04
361		15:44	16:30			00:46
362		16:50	17:25			00:35
363		17:25	17:38		00:13	
364	Thu 05 Jul 2018	09:46	10:08		00:22	
365		10:08	10:23			00:15
366		10:23	11:18		00:55	
367		11:19	11:24			00:05
368		15:01	16:09		01:08	
369		19:16	19:59			00:43
370	Fri 06 Jul 2018	08:01	08:35		00:34	
371		08:53	10:09		01:16	
372		10:11	10:14			00:03
373		10:18	10:24			00:06
374		10:24	10:42		00:18	
375		10:48	11:11		00:23	
376		11:11	11:22			00:11
377		11:22	11:25		00:03	
378		11:25	11:27			00:02
379		11:27	12:15		00:48	
380		12:30	13:00		00:30	
381		13:26	13:33			00:07
382		13:46	15:23		01:37	
383		15:22	15:29			00:07
384	Mon 09 Jul 2018	13:02	13:09			00:07
385		**13:09**	**13:39**	00:30		
386		**13:44**	**14:06**	00:22		
387		**16:55**	**17:13**	00:18		
388		**17:20**	**18:01**	00:41		
389		18:01	18:47		00:46	
390		**18:47**	**18:54**	00:07		
391		**19:02**				
392		19:09				
393			**19:18**	00:16		
394		**19:39**	**20:10**	00:31		
395		20:10	20:24		00:14	
396		**20:24**	**20:41**	00:17		
397	Tue 10 Jul 2018	09:29	10:21			00:52
398		**11:59**	**12:33**	00:34		
399		17:38	18:03		00:25	
400		**18:03**	**19:18**	01:15		
401		**19:43**	**20:02**	00:19		
402	Wed 11 Jul 2018	10:12	10:32			00:20

403		**10:32**	**11:57**	01:25			
404		12:50	13:02			00:12	
405		**13:02**	**13:38**	00:36			
406	Thu 12 Jul 2018	13:20	13:46				00:26
407		**13:50**	**14:31**	00:41			
408		14:39	14:46			00:07	
409		**14:46**	**15:16**	00:30			
410	Fri 13 Jul 2018	12:19	12:32				00:13
411		**12:35**	**13:12**	00:37			
412		13:42	14:23			00:41	
413		14:23	14:28				00:05
414		14:32	15:09			00:37	
415		**15:09**	**16:45**	01:36			
416	Mon 16 Jul 2018	**09:04**	**10:49**	01:45			
417		**11:02**	**11:20**	00:18			
418		11:20	11:30			00:10	
419		**12:30**	**13:05**	00:35			
420		13:20	14:10			00:50	
421		14:30	16:10			01:40	
422		**16:10**	**16:25**	00:15			
423	Thu 19 Jul 2018	10:08	10:41			00:33	
424		**10:42**	**10:53**	00:11			
425	Sat 21 Jul 2018	08:55	09:00				00:05
426		**09:00**	**09:09**	00:09			
427	Tue 24 Jul 2018	10:50	11:05			00:15	
428		11:05	11:26		00:21		
429	Thu 26 Jul 2018	11:09	12:54			01:45	
430		12:54	13:02				00:08
431		13:02	13:06			00:04	
432		13:16					
433		13:57	14:21			01:05	
434		14:21	14:30				00:09
435		15:05	15:12				00:07
436		18:23	18:40				00:17
437		18:58	19:53			00:55	
438		20:08	20:21			00:13	
439		20:26					
440			20:56			00:30	
441	Fri 27 Jul 2018	11:15	11:25				00:10
442		14:02	14:21				00:19
443	Mon 30 Jul 2018	14:11	14:30				00:19
444		14:30	15:11		00:20	00:20	
445		15:20	15:37		00:17		
446		17:58	18:50		00:26	00:26	
447	Tue 31 Jul 2018	09:09	09:32		00:23		
448		**14:58**	**16:39**	01:41			
449		16:39	17:15			00:36	
450		17:52	18:13				00:21
451	Wed 01 Aug 2018	09:45	09:49				00:04
452		**09:49**	**12:19**	02:30			
453		12:19	13:31			01:12	
454	Fri 03 Aug 2018	09:02	09:10				00:08
455		09:10	09:49			00:39	
456		**09:49**					
457		11:13					
458			**12:33**	02:44			
459		12:33	12:56			00:23	
		13:25	**13:39**	00:14			

Date	Start	End	Dur A	Dur B	Dur C	Dur D
Mon 06 Aug 2018	08:37	08:42				00:05
	09:22	12:41		01:39	01:39	
	13:01	13:43		00:21	00:21	
	13:43	14:53		00:35	00:35	
	14:53	15:40		00:23	00:23	
	15:59	17:18		00:39	00:39	
Tue 07 Aug 2018	12:51	13:08				00:17
Thu 09 Aug 2018	08:29	08:39				00:10
	08:39					
	10:27	13:08		02:14	02:14	
	13:41	14:35		00:27	00:27	
	14:35	14:46				00:11
	15:10	15:24				00:14
	15:55	**16:04**	00:09			
Thu 09 Aug 2018	18:30	19:57				01:27
Fri 10 Aug 2018	18:31	18:38				00:07
Sat 11 Aug 2018	11:44	11:55				00:11
	11:55					
	13:13					
		13:26		01:31		
Mon 13 Aug 2018	10:22	10:56				00:34
	11:10	11:20				00:10
	11:20	12:32		01:12		
Tue 21 Aug 2018	08:32	09:03				00:31
	09:03	11:48		02:45		
	11:48	**12:52**	01:04			
	13:27					
		15:00	01:33			
Fri 24 Aug 2018	08:45	08:55				00:10
	08:55					
	09:13	**09:19**	00:24			
	09:34					
	11:39					
	11:47					
	12:03	**12:11**	02:37			
	13:49	14:00				00:11
Mon 27 Aug 2018	12:38	12:50			00:12	
	12:57					
	13:47					
		13:58	01:01			
	14:04	**14:28**	00:24			
	14:28	14:33				00:05
	14:33	**15:31**	00:58			
	15:36	15:38				00:02
	15:38	16:39		01:01		
	16:39	17:45			01:06	
Thu 30 Aug 2018	08:50	09:47		00:28	00:28	
	10:07	11:05		00:29	00:29	
	11:05	11:39				00:34
	11:50	12:19		00:14	00:14	
	12:35	13:10		00:17	00:17	
	13:12	14:33		00:40	00:40	
	16:55	**17:41**	00:46			
Fri 31 Aug 2018	**09:05**	**09:28**	00:23			
	09:28	09:56				00:28
	10:28	10:40			00:12	
	10:40	11:05		00:12	00:12	
	11:22	12:14		00:26	00:26	

12:14	12:39		00:25
13:54	14:12	00:18	
14:14	14:17	00:03	
14:33	14:40	00:07	
15:06	15:28	00:22	
15:37	15:43	00:06	
18:51	19:06	00:15	

73:38	24:27	121:07	51:02
Upwork time tracker	Upwork manual time	develop (unpaid)	research (unpaid)

03:32	03:49	05:29	01:34

activity
GitHub issue #62
commit "GitHub issues #62"
GitHub issue #61
(elapsed 1h32m charged 1h30m) see screenshot
autosave position
GitHub macOS issue #2
git commit "GitHub issue #2, sorting AMKs"
GitHub macOS issue #3
call with Zeno
GitHub macOS issue #3
git commit "GitHub issue #3 (in progress)"
GitHub macOS issue #7
GitHub macOS issue #3 (and #7)
GitHub macOS issue #3 (and #7)
testing issue #3
git commit GitHub macOS issue #3 (and #7)
git commit GitHub macOS issue #3 (and #7)
git commit "GitHub issue #3"
investigating AirDrop not showing up as an option
git commit GitHub macOS issue #5 (and #7)
investigate issue #5 (and #7)
git commit GitHub macOS issue #5 (and #7)
investigate issue #9 (and #7)
investigate issue #9 tested AmiKo version from App store
Issue #7
Issue #7
Issue #7
git commit #7 (continued)
Issue #9
Issue #9
git commit #9
git commit "Fix button size for German"
git commit #6 print prescription
GitHub AmiKo macOS issue #10
git commit GitHub macOS issue #10
investigate multipage printing of prescriptions

Issue #21
various git commits, #21, #25, #22, #24
call with Zeno

git commit "GitHub issue #26 better handling of AMK selection"
git commit "GitHub issue #20"

Started with DYMO label writer
installed "DYMO Label" v8 from `DLS8Setup.8.7.dmg`
product registration
downloaded SDK
worked out how to set the label size in Objective-C
housekeeping

label printing
GitHub issue #16 label printer
Add 3rd column to table view
printed first label
improving label printing
call with Zeno
label printing
improving label printing
add price
first satisfactory printed label
git commit issue #16 and push
call with Zeno
label print adjustments
fixing tableview
git commit "fix some IB constraints"

call with Zeno
add swissmed to label printing
git commit and push
prescription view new delete icon
git commit and push

housekeeping
black line in labels
chat with Zeno
call with Zeno
reading about card reader
received card reader
call with Zeno
checking a few cards
selecting non default printer for labels
git commit "select DYMO printer"
git push

housekeeping
Smart card reader integration
call with Zeno
learning smart card protocol
learning APDU
getting ATR from card
call with Zeno
getting swiss health insurance card data
call with Zeno

call with Zeno
hacking
try to get EF
Many calls with Zeno interrupted by thunderstorm
try to get EF.DIR

success reading 2F06 from AmiKo
created smartCard category

read patient data
call with Zeno
read patient data
asynchronous calls
call with Zeno
git commit issue #33
refactoring smartcard code
parsing replies from smartcard
testing and debugging
reading data when card is inserted
call with Zeno
reading data when card is inserted
housekeeping

refactoring smartcard code
Smart card, refactoring
Facetime call with Zeno
phone call with Zeno
smart card notification data
git commit issue #19 in progress
call with Zeno
Facetime call with Zeno
sqlite adding table

housekeeping
health card handling
git commit issue #19 in progress
Facetime call with Zeno
opening patient sheet when card is inserted
opening patient sheet when card is inserted
git commit issue #19 in progress
Facetime call with Zeno
Checking if patient is already in the DB
selecting patient in table
git commit issue #19 in progress
Facetime call with Zeno
Improving logic of card insertion events

Refactoring, backtracking, refactoring
patient DB class is a singleton
git commit issue #19 in progress
Facetime call with Zeno
testing and debugging

prescription list for patient updated upon card insertion
git commit issue #19 in progress
Facetime call with Zeno
restored main xib
Facetime call with Zeno, fixing up xib
git commit "restored and improved layout of main window"
Facetime call with Zeno, debugging and testing

Facetime call with Zeno
Testing with invalid cards (#38)
git commit "#38 and #7"
Facetime call with Zeno
git commit #37

Issue #38
git commit #37
git commit #37

Facetime call with Zeno
git commit Fix CoMed access to smartcard reader
Facetime call with Zeno

Facetime call with Zeno

fixing ios PRODUCT_NAME

Facetime call with Zeno

git commit "Removed placeholder in localized NSContactsUsageDescription"

housekeeping

iOS issue #65

CoreML demo

Facetime call with Zeno

SceneTextRecognitioniOS demo

Facetime call with Zeno

iOS issue #65

created Xcode iOS project ocrTest

Xcode iOS project ocrTest: add code from AVCam sample

Updating iOS from 11.3 to 11.4

Xcode iOS project ocrTest: show camera input and credit card overlay

Facetime call with Zeno

Xcode iOS project ocrTest

git commit "#41"

housekeeping

looking at sample code MachineLearningSample-ObjC

Facetime call with Zeno

detecting text boxes

cropping, orientation

milestone, cropping okay with CodeProject sample

Facetime calls with Zeno

hacking

text detection with Vision framework

Facetime call with Zeno, GoogleMobileVision

looking at GoogleMobileVision demo

text detection with Vision framework

text detection with Vision framework, success detecting words

Facetime call with Zeno

analyze card strip at the bottom

Facetime call with Zeno

discard results in the top area of the card

Facetime call with Zeno, FirebaseMLVisionTextModel.framework

Integrating tesseract OCR into test app

Facetime call with Zeno, FirebaseMLVisionTextModel.framework

Integrating Firebase OCR into test app

success OCR with Firebase

cleanup test project

Facetime call with Zeno

Facetime call with Zeno

tesseract cocoapods

feeding observation instead of one image to tesseract

tesseract

Facetime call with Zeno

tesseract

Facetime call with Zeno

tesseract. Trying to resolve 90 degree rotation of CGImage

tesseract, UIKit and CoreGraphics

tesseract, UIKit and CoreGraphics

Facetime call with Zeno, UIKit and CoreGraphics

tesseract, UIKit and CoreGraphics

ok passing sub-images to tesseract

Facetime call with Zeno, about using tesseract into AmiKo iOS

more testing
housekeeping (update Xcode to 9.4.1)
camera icon tap and long tap patient name
Facetime call with Zeno
camera icon tap and long tap patient name
housekeeping and git commit

iOS issue #65 showing camera preview
iOS issue #65 showing camera preview
getting the live camera displayed, start stop
iOS issue #65 showing camera preview

git commit and push

housekeeping
tap on camera view
git commit dismiss camera by tapping view
iOS #65 acquire image from camera
iOS #65 acquire image from camera
Facetime call with Zeno
detect 7 text boxes with Vision
Facetime call with Zeno

Add tesseract framework
Facetime call with Zeno
forgot to turn on time tracker
Add tesseract framework
git commit tesseract and cocoapods
messaging with Zeno, tessdata directory
calls with Zeno
archiving project
fixed archiving (raised deployment target to 11.0)
iOS #65 extracting patient data from OCR
git commit, retry OCR message
git commit , fill in text fields from OCR
more rejecting bad OCR

housekeeping
OCR using German and French
git commit, OCR detects characters like ü
git commit, OCR can retrieve existing patient from DB
Facetime call with Zeno
Facetime call with Zeno
calls with Zeno: how to improve OCR, sharing my test app
testing and debugging with iPhoneX, sharing ipa, autofocus
Updating test utility ocrTest

call with Zeno
camera autofocus
git commit, don't use built in dual camera
call with Zeno
code cleanup
camera view full screen

camera view full screen
call with Zeno
installing adobe scan on iPhone
call with Zeno, and investigation full **width** camera
camera view full width
call with Zeno, rotations, orientations
camera fills preview area
testing
disabling rotation and chatting with Zeno

Facetime call with Zeno
push preview onto rootController
calls with Zeno, detecting size of Vision boxes and accepting only 3 big ones
testing Vision boxes
push preview onto rootController
call with Zeno, looking at OCR screenshots
call with Zeno
push preview onto rootController
Post analyze Vision boxes
call with Zeno
tesseract blacklist characters
Post analyze Vision boxes. Better Tesseract algorithm
git commit
call with Zeno
fine tune box detection
call with Zeno
OCR post-processing replacing period with comma in name
call with Zeno
double overlay green box for card positioning
debugging memory allocation and crash
debugging memory allocation and crash
debugging memory allocation and crash, getting smaller memory leaks
git commit #70 fix or alleviate memory leak
git commit #72 after OCR switch to prescription of existing patient
call with Zeno
After OCR goes to prescription view, we are in prescription mode
call with Zeno
camera view in separate view controller, test application
Facetime call with Zeno
camera view in separate view controller, test application
camera view in separate view controller, test application
Issue #71
Issue #71
Issue #71
git commit
refactoring
status bar hidden in camera view
call with Zeno

call with Zeno
git commits
call with Zeno
camera view controller doesn't rotate
camera view controller doesn't rotate
call with Zeno
enable and handle autorotation camera view
calls with Zeno
camera rotation, as well as view rotation
call with Zeno
testing OCR from rotated images
call with Zeno
Git commit camera rotation, as well as view rotation
call with Zeno
call with Zeno, and commit to fix exception with simulator
call with Zeno
test application
test application
call with Zeno

test application
test application
test application

---

test application
test application
call with Zeno
test application
call with Zeno
call with Zeno

---

call with Zeno
test application
test application
test application
call with Zeno
call with Zeno: testing on iPhoneX and iPad
calls with Zeno
detecting iPhoneX at run time

---

trying to fix iPhoneX OCR portrait fill
calls with Zeno
trying to fix iPhoneX OCR portrait fill
call with Zeno
initializing AVCaptureVideoPreviewLayer
call with Zeno

---

initializing AVCaptureVideoPreviewLayer
initializing AVCaptureVideoPreviewLayer
call with Zeno
call with Zeno
initializing AVCaptureVideoPreviewLayer
initializing AVCaptureVideoPreviewLayer
call with Zeno
initializing AVCaptureVideoPreviewLayer
call with Zeno
initializing AVCaptureVideoPreviewLayer
initializing AVCaptureVideoPreviewLayer
call with Zeno
initializing AVCaptureVideoPreviewLayer
call with Zeno

---

housekeeping
Autorotation camera view for health card
Autorotation camera view for health card
Autorotation camera view for health card
Autorotation camera view for health card
testing
Autorotation camera view for health card
Autorotation camera view for health card
git commit
tesseract blacklists and whitelists
tesseract blacklists and whitelists
tesseract blacklists and whitelists testing
tesseract blacklists and whitelists, git commit

---

call with Zeno
Issue #74 scan barcode
investigate video
Issue #74 scan barcode
Issue #74 scan barcode

---

housekeeping

Issue #74 scan barcode, added class videoViewController

Issue #74 scan barcode

Issue #74 scan barcode, can get callback at each frame

housekeeping

Issue #74 scan barcode, get UIImage from callback, start using Vision

googling

Issue #74 scan barcode, detected code, git commit

call with Zeno

Issue #74 scan barcode, lookup EAN in DB

investigating how to extract from DB based on EAN

call with Zeno

Test and optimize long-press code

query DB for EAN

Issue #74 scan barcode, adding medicine to table

Issue #74 scan barcode, git commit

git commit better index check

Issue #74 scan barcode, handle wrong bar code type or not in DB, alert.

call with Zeno, debugging

debugging with iPhone 5

git commit

Issue #77 , fix crash saving amk

Git commit and clean up code: fix crash saving prescription

housekeeping

Issue #74 full screen

Fix crash with simulator when launching barcode preview (with no camera)

Looking into crash with iPad when cancelling barcode preview

barcode preview handles rotation

call with Zeno

barcode preview handles rotation

barcode preview handles rotation

Testing, cleanup and git commit

Slack messaging

Slack messaging

call with Zeno

simulator: Cancel button should appear quickly

simulator: Cancel button should appear quickly

barcode preview toolbar in landscape

git commit

call with Zeno

call with Zeno

housekeeping

call with Zeno, debugging

Issue #80, and git commit

call with Zeno, debugging

Issue #81 barcode preview toolbar landscape, git commit

Issue #76 setting up print job, no AirPrint printer found

investigating printers and AirPrint. Tested "handyPrint"

call with Zeno, AirPrint

housekeeping

Issue #76

investigate printing UIView, debugging and testing

housekeeping

investigating setting paper size

Issue #76

git commit

handling default printer

testing and debugging

Issue #76 basically working, git commit

housekeeping
debugging and refactoring label printing
debugging and refactoring label printing
interactive call with Zeno, setting page size
label printing
Issue #76

call with Zeno

housekeeping, message to Dymo support, message to handyPrint support
investigating IPP with WireShark
testing and debugging contacting the printer, commit
Printer selection without defaults. Git push
housekeeping, email to Zeno about Dymo
testing with new handyPrint version 5.4.2, second email to Dymo
Issue #83

calls with Zeno (Facetime)

call with Zeno

housekeeping
restore preview in Label printing
printing label using PDF data
git commit

housekeeping, handyPrint license
investigating label print, medicine name cutoff by page number rectangle
Issue #63 print prescription

housekeeping
Issue #63 print prescription (forgot to click "start tracking")
Issue #63 print prescription
Issue #63 print prescription
commit and push

housekeeping
Issue #63 print prescription
left align signature image
Multi-line comments and multiple pages
git commit print multi-page prescriptions
verification and testing
layout in mm
call with Zeno

Verify issue #84
Issue #63 print prescription, add document name
git commit add document name and page number
localized page number and git push
Issue #63 don't attach PDF to email
call with Zeno
Issue #63 don't attach PDF to email
call with Zeno
Issue #63 don't attach PDF to email
testing

Issue #63 email attachment
Issue #63 email attachment
call with Zeno
Issue #63 email attachment
Issue #63 email attachment
Finally working
Issue #63 email attachment with UIActivityItemProvider, git commit and push

Issue #63 more sharing options for AMK attachmen
housekeeping
cleanup unused code. Git commit and push
Reproducing issue #84
call with Zeno, debugging issue #84, not reproducible in the end

housekeeping
call with Zeno, what to do from now on. Scan2Post
call with Zeno: Scan2Post
call with Zeno: Scan2Post
call with Zeno: Scan2Post
call with Zeno
call with Zeno