Sprint 3 – Implementation (60%/100%)

GitHub Repository: https://github.com/kartowka/ProjectManagement

Website Link: https://projectmanagmentsce.herokuapp.com/

Team Members:

Sharon Yaroshetsky – 207948381

Anthony Eitan Fleysher – 203192331

Sitara Alayev – 321967556

Yehudit Mandelboim – 313526675

- **Before we start with the formal explanation, first we want to introduce changes that have been made to Epics, requirements and more:**
    - We mentioned we are going to use Firebase as our database for this project, this was changed during implementation to MongoDB.
    - We have added a new Epic, 'Admin Page'. Initially we wanted to perform admin operations from back-end-side only but we decided to make a dedicated page for it, link to the new epic in Clubhouse: Admin Page.
    - For security reasons, we deleted requirement #15 from the 'Patient Page' Epic (& it's test case #16).
    - Some requirements were renamed for better understanding and grammar purposes.
    - New Requirements We Have Added: #261, #262, #263, #265, #266, #267, #268, #269, #270, #271, #272, #273, #274, #275, #276, #283, #284, #285, #286, #290.
    - Some requirements were pushed back to Sprint 4 because they didn't match our implementation logic in this sprint, overall, we pushed back around 5, created 20 (+ 1 Epic) and deleted 1.

Overview:

In this sprint, we were tasked to implement 60% of the system requirements we wrote in the previous sprint, we divided the work among us and managed to achieve around 99% of the logic we were trying to achieve, some requirements were pushed back to the next sprint and one got deleted because of security reasons.

We chose to use MongoDB as our project database and we implemented our system around it.

As for communication, we started using Slack for cross-notification convenience, we integrated Github, CircleCI & Clubhouse notifications to it which resulted in a really smooth and simple system where especially in things related to development because now, we know who pushed what commits and because of it we minimized merge conflicts & requests.

Division of Work:

Sprint 3 – 60% of REQ	Sprint 4 – 40% of REQ
Header Judy & Sitata	Authorization (REQ #2)
Users & Their Permissions Sharon & Eitan	Doctor Page (REQ #13-22)
Homepage Judy & Sitata	Patient Page (REQ #4-8)
Signup Page Sharon & Eitan	Web Search Engine
Login Page Sharon & Eitan	Appointment Management
Authorization (REQ #1) Sharon & Eitan	Appointments Record
Patient Page (REQ #1-3, 9-16) Judy & Sitata	Patient Satisfaction
Doctor Page (REQ #1-12) Judy & Sitata	Forum
404 – Not Found Sharon & Eitan	
Footer Sharon & Eitan	
Non-Functional Sharon & Eitan	
Database Sharon & Eitan	

Let's go over how we divided the work among our team members:
First, we decided to split ourselves to two teams, because both parties worked on different projects beforehand so the chemistry was already there, then we randomly divided the epics between us, there was nothing special about how we divided it since no one had any background in full-stack development, 1 team took more back-end epics, and other one took more front-end epics.

<u>Week-by-week report</u>:

- <u>Week 1 (14.04 – 21.04)</u>:
    - <u>Finished Epics</u>:
        - Header, Homepage, Footer, 404 – Not Found Page.
    - <u>Started Epics</u>:
        - Users & Their Permissions, Signup Page, Login Page, Patient Page, Doctor Page, Database, Non-Functional (system).
    - <u>Unscheduled Epics</u>:
        - Authentication, Admin Page (was created later on).
- <u>Week 2 (22.04 – 29.04)</u>:
    - <u>Finished Epics</u>:
        - Users & Their Permissions, Signup Page, Login Page, Patient Page, Database, Non-Functional (system), Authentication, Admin Page.
    - <u>Started Epics</u>: NONE.
    - <u>Unscheduled Epics</u>: NONE.
- <u>Note</u>: Some Epics include requirements that are scheduled to Sprint 4, so they are "finished" only for this sprint and not globally.

- Additionally, AND MOST IMPORTANTLY, through all of the development process, we polished every epic & requirement while putting a BIG emphasize on system logic (which got re-vamped a couple of times) and security breaches.

<u>Difficulties Encountered During Development Process</u>:
Well, everything was difficult, we already mentioned that no one had any knowledge in full-stack development (aside knowing what <head> & <body> are in HTML), it came to the last week of development where we actually understood what we were doing along the sprint and that's why the "additionally" note is mentioned above, we just kept learning and testing everything until we got to a point where we said "ok, it's good now", **It was hard, but <u>satisfactory</u>.**

Furthermore, we had (& have) a lot of difference between the two teams, without mentioning which one, one team did around 95% of the implementation process, the other one already got epics in the work division that were completed in the 2nd sprint, and what they did have to actually do still wasn't really done, so in tahles, the division wasn't even close to be fair.

Additional Info:

- When registering, only a password that is classified as "Very Strong" will be accepted for registration.
- We made 1 Admin account for you (since you can't register as one, registration is only for customers) with the following credentials**:**
    - Email: gaveyap129@animex98.com
    - Password: 1234QWER!

Work Management

Notes:

- All LEO times are estimated and calculated by the start & end days of each REQ in Clubhouse.

- All LEO times are cumulative and the total time for each Epic is written down beneath each table

- Some Requirements got 2 owners so the LEO time is actually 2 times bigger.

Header

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
104	1h	16.04.21	17.04.21	Yehudit Mandelboim	-
195	1h	18.4.21	18.4.21	Yehudit Mandelboim	104
196	1h	17.4.21	20.4.21	Yehudit Mandelboim	104
197	1h	17.4.21	21.4.21	Yehudit Mandelboim	104
198	1h	18.4.21	18.4.21	Yehudit Mandelboim	104
200	1h	19.4.21	19.4.21	Yehudit Mandelboim	104
201	1h	19.4.21	19.4.21	Yehudit Mandelboim	104
263	1h	20.4.21	21.4.21	Yehudit Mandelboim	104
283	1h	20.4.21	20.4.21	Yehudit Mandelboim	104
285	1h	20.4.21	21.4.21	Yehudit Mandelboim	104
286	1h	20.4.21	21.4.21	Yehudit Mandelboim	104

Total: 11

Users & Their Permission

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
129	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
130	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	129
131	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	129
132	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	139
134	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	129
139	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	129
261	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105
262	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	129,105,253,255
269	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky &	129,105

				Anthony Eitan Fleysher	
270	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	129,105,93
271	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	134,105
272	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105,139
273	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105,139
274	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105,139,134
275	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	139,105
276	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	134,105

Total: 40h * 2 people. = 80h

Home page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
102	1h	14.04.21	14.04.21	Sitara Alayev	-
103	1h	14.04.21	15.04.21	Sitara Alayev	-
239	1h	14.04.21	16.04.21	Sitara Alayev	103

Total: 3h

Signup Page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
161	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
163	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
164	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
212	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	216
214	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
215	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	204
216	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
219	2.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	214

Total: 20h*2 people = 40h

Login Page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
159	2h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105
160	2h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	240
162	2h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	240
203	2h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
206	2h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
240	2h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105

Total: 12h *2 people = 24h

Authorization

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
156	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105,129,130,132

Total: 5h * 2 people = 10h

Patient Page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
124	4h	16.4.21	17.4.21	Yehudit Mandelboim	134,139,127
125	2h	16.4.21	17.4.21	Yehudit Mandelboim	134,139,127
126	2h	16.4.21	17.4.21	Yehudit Mandelboim	134,139,127
210	4h	17.4.21	18.4.21	Yehudit Mandelboim	134 ,127
241	2h	18.4.21	19.4.21	Yehudit Mandelboim	210
242	3h	18.4.21	19.4.21	Yehudit Mandelboim	210
243	3h	18.4.21	19.4.21	Yehudit Mandelboim	210
253	4h	18.4.21	20.4.21	Yehudit Mandelboim	134,127
255	4h	19.4.21	20.4.21	Yehudit Mandelboim	134,127
257	3h	19.4.21	20.4.21	Yehudit Mandelboim	210

Total: 31h

Doctor Page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
51	3h	22.04.21	25.04.21	Sitara Alayev	168,139
119	3h	22.04.21	25.04.21	Sitara Alayev	168,139,134
120	3h	22.04.21	25.04.21	Sitara Alayev	168,139,134
121	3h	22.04.21	25.04.21	Sitara Alayev	168,139,134
122	3h	26.04.21	26.04.21	Sitara Alayev	168,139,134
123	3h	26.04.21	28.04.21	Sitara Alayev	168,139,134
154	3h	26.04.21	28.04.21	Sitara Alayev	134,100,139,182
223	3h	26.04.21	26.04.21	Sitara Alayev	134,139,168
227	3h	26.04.21	27.04.21	Sitara Alayev	168,139
228	3h	26.04.21	28.04.21	Sitara Alayev	227
232	3h	26.04.21	28.04.21	Sitara Alayev	227
233	3h	26.04.21	28.04.21	Sitara Alayev	227
235	3h	26.04.21	28.04.21	Sitara Alayev	227

| 259 | 3h | 26.04.21 | 28.04.21 | Sitara Alayev | 227 |

Total: 42h

404 – Not Found Page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
207	1h	14.4.21	21.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
209	0.5h	14.4.21	21.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	207

Total: 1.5h*2 per person = 3h

Footer

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
199	0.5h	14.4.21	21.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-

Total: 0.5h * 2 person = 1h

Non-Functional (System)

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
80	15h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
81	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
82	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
83	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
84	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
85	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
86	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
87	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
88	-	14.4.21	29.4.21	Sharon Yaroshetsky &	-

				Anthony Eitan Fleysher	
89	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
90	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
91	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
92	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
93	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
94	0.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
95	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
96	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
97	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
98	-	14.4.21	29.4.21	Sharon Yaroshetsky &	-

				Anthony Eitan Fleysher	
99	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
100	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
101	-	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
204	0.5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-

Total: 16h * 2 per person = 32h

Database

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
105	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
115	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
127	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
128	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
165	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
168	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
181	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-
182	5h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	-

Total: 40h * 2 per person = 80h

Admin page

#id	LEO	Start of Development	End of Development	Owner	Dependencies by #id
265	10h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	105
266	10h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	265
268	15h	14.4.21	29.4.21	Sharon Yaroshetsky & Anthony Eitan Fleysher	265

Total: 35h * 2 per person = 70h