

## Sprint Retrospective Document

Date: 09.04.2017

Group name / Project name: Hoppers

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Assistant: İtir Önal

Supervisor: Uluç Saranlı

# Sprint 2 summary

Id	Timeline ID	Task/work package	Status	Group's comments	Assistant or supervisor comments
WP2.1	E4	Work on the distance sensor and decide which sensors look suitable for the project.	In Progress(%50)	<ul style="list-style-type: none"><li>• 2 types of potentiometers were purchased</li><li>• Integrated to circuit</li></ul>	
WP2.2	E-5 Create 3D device on CAD	Start device design in 3D	Complete		
WP2.4	A1 Reading statistics table in SQLite	Store the reading statistics of the book in both SQLite and PostgreSQL.	Complete		

WP2.5	A1 Notifications as reminders reader to read a book	Implement notification feature (if the reader does not read the book for a certain time)	Complete		
WP2.6	A3 Basic text analysis, sending extracted text to server and add sharing feature	Implementation of keeping notes on the Android application and adding a sharing feature	In Progress( %90)	<ul style="list-style-type: none"> <li>• OCR and cropping features were implemented</li> <li>• Share feature will be added to OCR implementation</li> <li>• Quotes will be stored in SQLite and web server</li> </ul>	
WP2.7	S4 Research recommend ation solutions & Recommen d books	Book recommendation algorithm research	Complete		
WP 2.8	A1 Add features	Add Quote UI	Complete		

WP 2.9	A4 Implement Android UI	Improvements on UI design & implementation	Was not on initial plan	<ul style="list-style-type: none"> <li>• Sync button</li> <li>• Rating with stars</li> <li>• Notification on/off and period</li> <li>• Finish books in ListView</li> <li>• Improvements on Current Book tab</li> </ul>	
WP2.10	A1 Protocol Design	Improvements on protocol design & implementation	Was not on initial plan	<ul style="list-style-type: none"> <li>• Time data is sent with book ids</li> <li>• Time data is not sent cumulatively but differentially</li> </ul>	
WP2.11	S-4 Show recommended books to user	Book recommendation implementation	Was not on initial plan	<ul style="list-style-type: none"> <li>• Book recommendation implementation will start</li> <li>• Book recommendation for users having no ratings yet from best sellers</li> <li>• Preprocessing in the web server once in a day</li> <li>• Add rating feature in the Android app</li> </ul>	
WP2.12	A-1 Add features	Add pause a book feature to Android and Arduino	Was not on initial plan	<ul style="list-style-type: none"> <li>• Protocol will be implemented</li> </ul>	



# Sprint 3 plan

Id	Timeline ID	Task/work package name	Criteria	Status
WP3.1	S-1 ER Diagram implementation in PostgreSQL	Database will be revised	<ul style="list-style-type: none"><li>• Like/Unlike/Not rated will be converted to rating using stars</li><li>• Quote table will be revised in both web server and SQLite</li><li>• Reading Statistics table will be revised by adding new columns in both web server and SQLite</li><li>• Publication date in Book table will be changed from DateField to String</li><li>• User-Book relationship will be changed from OneToMany to ManyToMany</li><li>• Notification settings table will be added to SQLite and web server</li></ul>	New
WP3.2	A-4 Implement Android UI	UI Implementation	<ul style="list-style-type: none"><li>• Showing quotes with sharing options</li><li>• Pairing Device interface will be revised</li><li>• Cover images of the books will be shown in current tab</li></ul>	New

WP3.3	S4 Research recommendation solutions & Recommended books	Book recommendation implementation	<ul style="list-style-type: none"> <li>• Book recommendation implementation will continue</li> <li>• Book recommendation for users having no ratings yet from best sellers</li> <li>• Preprocessing in the web server once in a day</li> <li>• Add rating feature in the Android app</li> </ul>	Leftover from Sprint 2
WP3.4	E-4 Integration of Distance Sensor and Features	Work on the distance sensor and decide which sensors look suitable for the project.	<ul style="list-style-type: none"> <li>• Distance sensor will be tested on Arduino and added to Round Robin Design</li> </ul>	Leftover from Sprint 2
WP3.5	A3 Basic text analysis, sending extracted text to server and add sharing feature	Implementation of keeping notes on the Android application and adding a sharing feature	<ul style="list-style-type: none"> <li>• Share feature will be added to OCR implementation</li> <li>• Quotes will be stored in SQLite and web server</li> </ul>	Leftover from Sprint 2
WP3.6	E-5 Create 3D device on CAD	Improvements on the first prototype 3D Design	<ul style="list-style-type: none"> <li>• Placement of distance sensor</li> <li>• Location of sensors and battery will be discussed</li> </ul>	New

WP 3.7	S-5 Social Network	Research on Social Network	<ul style="list-style-type: none"> <li>Study on node and graph algorithms</li> </ul>	New
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This section will be filled in by your supervisor or assistant.

Please enter your grade for the following items using the letter scale (i.e. AA, BA, BB, CB, CC, DC, DD, FD, FF).

<b>Criteria</b>	<b>Grade</b>
Progress of the team in this sprint. <i>(Grade percentage: 50%)</i>	
The accuracy of the summary table above (e.g. are the task status declarations correct?). <i>(Grade percentage: 25%)</i>	
Considering the weekly meetings, the attendance and preparation level of the team (i.e. Toplantılara düzenli olarak ve hazır bir şekilde, örneğin bir toplantı gündemi oluşturarak, katıldılar mı?) <i>(Grade percentage: 25%)</i>	

