Sprint Retrospective Document

Date: 03/03/2020
Project acronym: BikeSharing
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Supervisor's comments

Progressing on track towards the project goals. The team should solve the smart-lock issue.

Sprint summary and new sprint plan

Unique Item ID	Workpackage ID (from the Kick-off doc)	Description	Group's Comments	Status
Completed & Dropped items				
6	WP3	Creation of user profile page for mobile app.	The front-end developments for user profile page was completed. Related back-end development is waited from other package.	Completed
25	WP7	A collection creation and back end development for transaction history.	With unique user id, all transactions of users are returned for front-end developers in sort way as from present to past.	Completed
27	WP4	Creation of a transaction history page and improvement of related menus by placing transaction history.	The back-end method was integrated the page, and all detailed history of users with their usage is shown end user.	Completed
32	WP4	Taking user GPS data and updating the function calls of back-end methods with location data.	At front-end, determination of users' locations is completed. startSession and endSession methods are called with location information now.	Completed
33	WP4	Initialize the dockers page region according to users' location	When user's clicked dockers page, the area that is shown on map was set according to user location.	Completed
34	WP7	Checking whether user is in a virtual zone or not	On back-end side checking user location	Completed

		during renting and returning operation on back-end side.	before renting/returning operations were implemented.	
12	WP7	Improvement of back-end services that arise from front-end page needs.	For the extra needs like taking user payment records for debt information of users, the database designing and back-end methods implementation were developed.	Completed.
35	WP3	Input taking visualization correction	The keyboard size settings were arranged to avoid from overlap with text boxes.	Was not on the initial plan, completed.
36	WP5	Creation of a new project for dashboard implementation.	A new react.js project was created on GitLab by front-end developers.	Was not on the initial plan, completed.
37	WP3	Restructuring of the components of mobile application.	The menus on transaction history and usage history pages were developed more user-friendly for end users.	Was not on the initial plan, completed.
38	WP7	Adding some services for better coding implementation.	Strapi uses model/service/controller design pattern and services property is started to use for better coding implementation. Currently a service is added to find users' debts which is called from three different methods.	Was not on the initial plan, completed.
39	WP7	Importing of Turf.js java script library on back-end side.	To working as geo-fencing on map, turf.js library was imported on back-end side and it was integrated to back-end services.	Was not on the initial plan, completed.
40	WP7	Finding centers of virtual zones to mark virtual zones with available bike	The back-end get method that returns center location of the	Was not on the initial plan, completed.

		numbers on back-end.	zones with available bike numbers was developed.	
41	WP3	Showing available bike numbers on center of virtual zones with markers.	The method which was developed on back-end side was called and every zone is marked with number information.	Was not on the initial plan, completed.
42	WP3	Creation of report page for mobile app.	The page which includes issue title, description and problem photo is designed for users' reports.	Was not on the initial plan, completed.
Continuing items				
15	WP5	Uploading data to the cloud system for data analyzing.	It will be considered in the following weeks.	Not started
19	WP4	Addition of required notification to the mobile application according to user usage data.	The announcements page will be considered in the following weeks.	Not started
20	WP5	Application store payment methods will be integrated to the mobile app.	It will be developed after consideration of possible user profile.	Not started
31	WP5	Setting the permissions of accessing database from security perspective.	It will be developed after consideration of user restrictions.	Not started
New items				
42	WP7	Finding closest zone according to user location on back-end side.		New
43	WP3	Drawing path from user location to closest zone whose coordinates are taken from back-end side.		New
44	WP5	Implementation of an admin interface that is used to draw a virtual zone on map dashboard		New

		interface.		
45	WP7	Developing a method on back-end side that takes new zone coordinates from dashboard and inserts it on database.		New
46	WP7	Developing back-end needs of user profile page to update user information.		New
47	WP7	Implementation of back-end needs for user reports page.		New
48	WP5	Getting collections from database to display on dashboard.		New
49	WP5	Creating and updating the data on database from dashboard.		New
50	WP5	Specifying a hardware with bluetooth connection for developing smart-lock.		New
51	WP4	Integration of smart-lock hardware with the mobile application.		New
52	WP5	Calculation and demonstration of data statistics on dashboard		New
53	WP4	Conversion of the mobile application from expo managed project to natively built project.		New
54	WP3	Integration of user profile and report pages to back-end services		New

Overall progress

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7	Sprint 8	Sprint 9
MF1	0	0	0	0	0	0			
MF2	10	25	50	60	70	80			
MF3	25	25	25	35	45	50			
MF4	0	50	60	65	70	75			
MF5	0	50	60	65	70	75			
MF6	0	0	0	0	0	10			
MF7	0	0	0	25	25	30			
MF8	0	50	60	65	70	75			
MF9	0	0	0	0	0	0			
MF10	0	0	25	35	45	50			
MF11	0	0	0	0	0	0			
MF12	0	0	0	0	0	0			
MF13	0	0	0	0	0	25			
MF14	0	0	10	15	30	40			
MF15	0	0	0	0	0	0			