

Sprint Retrospective Document

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Project acronym: BikeSharing

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Supervisor: Cevat ŞENER

Note(1): Before the Sprint 1, we worked on just front-end of our mobile application.

After the Sprint 1 , our supervisor advised that we should work on both back and front end in parallel. So, we decided to continue like this. Therefore, there was a jumping in our work-packages. We worked on WP-3 and WP-7.

Note(2): Next sprint, we will try to add QR system to our mobile application, so we added WP-5 partially to sprint 3 plan.

Note(3): We completed the research work-package, researches will be done in related work-packages if needed.

Supervisor's comments

The group has been progressing well in many aspects, so that they can achieve the requirements and specifications regarding the smart locks sooner.

Sprint 2 Summary

Item ID	Workpackage ID	Status	Group's comments
1	WP2	Completed	<p>As group members, we made literature research on different topics.</p> <p>React Native and node.js researches were completed.</p> <p>The research on usage and script of QR code tagging technologies was completed.</p> <p>Research on basic Git commands was completed.</p> <p>Research on MongoDB / NoSQL was completed.</p>
2	WP3	In Progress	<p>Login & Sign up screens were created.</p> <p>Validation settings were added to required text-boxes.</p> <p>Filling information to text-boxes had been enabled.</p> <p>Filled information had been transformed to json data type to query in server.</p> <p>Integration of server to the mobile application is provided.</p> <p>We successfully created a new user on the database by using mobile app.</p>
3	WP7	In Progress	<p>MongoDB Cloud Service was created in cloud.mongodb.com.</p> <p>Six collections were created on database.</p> <p>The web server was created by node.js.</p>

			<p>Connection between database and server was done.</p> <p>Routes and models were Implemented.</p> <p>Hashing passwords was integrated to server.</p> <p>Sign-up operation was improved in checking e-mail and username.</p> <p>Sign-up operation was improved in auto incremental userId.</p> <p>Login Operation was developed in validation of username & passwords.</p> <p>Getting specific user' information function was implemented for user detail page.</p> <p>GET/POST/UPDATE/DELETE functions were implemented in routes which are users and bikes.</p> <p>GET/POST functions were implemented in routes which are admins,usages,availabilities,dockers.</p>
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Sprint 3 plan

Item ID	Workpackage ID	Description	Status
1	WP3	Sign up & login screens will be improved. Validations will be improved.	Leftover from Sprint 2

		<p>QR scanning will be integrated to mobile application.</p> <p>The page after successful login will be added to mobile application.</p> <p>Slide menu will be added to The page after successful login.</p> <p>User profile page will be added to app.</p>	
2	WP7	<p>We will try to implement our back-end of our app in more synchronization way.</p> <p>User authentication was started to implement, but it will be improved and tested.</p> <p>Did you forget your password system will be implement in mail way and tested.</p> <p>Update user will be improved for user profile and tested with front-end.</p> <p>Update&delete functions of bikes and dockers will be improved for admins and tested.</p> <p>Admin login will be implemented and tested.</p> <p>We will improve our back-end services which can be arised from front-end and tested.</p>	Leftover from Sprint 2
3	WP5	<p>Scanning QR code on smart-lock algorithm will be implemented in front-end & back-end and tested.</p> <p>Sending data to the cloud system algorithm in front-end and tested.</p>	New

Overall progress

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7	Sprint 8	Sprint 9
MF1	0	0							
MF2	10	25							
MF3	25	25							
MF4	0	50							
MF5	0	50							
MF6	0	0							
MF7	0	0							
MF8	0	50							
MF9	0	0							
MF10	0	0							
MF11	0	0							
MF12	0	0							
MF13	0	0							
MF14	0	0							
MF15	0	0							