

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 was 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 was 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	<p>Sign up & login screens will be improved.</p> <p>Validations will be improved.</p>	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							