

# Sprint Retrospective Document

Date: 30/10/2019

Project acronym: BikeSharing

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## Supervisor's comments

- Your kick-off document needs clarification in MFs, explanation of the overall architecture, Gantt chart in the timeline section and clearer itemization in the risks.
- When preparing an asset/document for your application, do not forget to empathize with your users/readers.

## Sprint 1 summary

Item ID (from the previous retrospect ive doc)	Workpackage ID (from the Kick-off doc)	Status	Group's comments
1	WP1	Complete	<p>Project planning was discussed with group members, company and the supervisor. We decided to start with developing the mobile application. After that we are going to develop our server client phase. And finally, smart lock which is main hardware of the project will be integrated to our end-product.</p> <p>Architecture design was discussed with group members and the company. We have decided to develop our end-product with JavaScript programming language. React Native will be used in development phase. As a simple start, we will use virtual servers that provided from the department and then we are going to use cloud technologies. The company uses the G-Cloud and the project also will be developed in this platform to complete server client phase. After tagging our end-product with the hardware, spreadsheet documents and SQL queries will be used to control and manage the data.</p>

2	WP2	In Progress	<p>As group members, we are making literature research on different topics.</p> <p>Research on components of similar applications which are “I LOCK IT” and “BITLOCK” is completed. End-product source code of these projects is still in analyzing phase.</p> <p>Research about technologies used for mobile platform is completed. After Ionic, PhoneGap, jQuery, React Native, Native Script, Tabris.js, Node.js are examined, we have decided to use React Native. React Native research is still ongoing.</p> <p>Research on smart lock products in the market is completed under the majorities; bike sharing system, smart bikes, renting the bikes.</p> <p>Research on tagging technologies is completed. After RFID, NFC, Bluetooth and QR technologies are examined, we have decided to use QR code technology for tagging our end-product with smart lock. A piece of tagging code in JavaScript language is written and published as a web application. The research on usage and script of QR code tagging technologies are still ongoing.</p> <p>Research on framework and web services is still ongoing.</p>
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## Sprint 2 plan

Item ID	Workpackage ID (from the Kick-off doc)	Description	Status
1	WP2	Literature research on script code of similar projects, script of QR technologies, framework and web services.	Leftover from Sprint 1
2	WP3	Front end and Back end work of the project with java script language for Mobile Application Development	New

## Overall progress

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