

# Sprint Retrospective Document

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Project acronym: BikeSharing

Members: Aykut YARDIM / Abdulkadir KILAVUZ / Doğan SEZGİN / Çağdaş FİL

Supervisor: Cevat ŞENER

## Supervisor's comments

Since last supervisor meetings are not held, the document does not include any supervisor comments.

## Notes

Some typos from previous retrospective document are corrected in this retrospective document.

Since some changes are required on our database and back end side to keeping users' payment operations to develop transaction history, nine items taken next sprint will cover the next three week's workload.

Also, some literature research on application store payments are required to develop a secure payment system.

## Sprint 4 Summary

Item ID	Workpackage ID	Status	Group's comments
6	WP3	In Progress	Creation of user profile page for mobile app.
12	WP7	In Progress	Improvement of back-end services that arise from front-end page needs.
14	WP5	Completed	QR code scanning algorithm on both back-end and front-end sides.
15	WP5	In Progress	Uploading data to the cloud system for data analyzing.
16	WP3	Completed	Customization of design of the tab menu.
17	WP3	Completed	Redesign of all mobile app. pages according to the chosen color scheme.
18	WP4	Completed	Improvement of user authentication by keeping user information in mobile application after logged in.
19	WP4	In Progress	Addition of required notifications to the mobile application.
20	WP5	In Progress	Application store payment methods will be integrated to the mobile app.
21	WP7	Completed	Improving and testing start session, end session and open session methods on back-end side for renting a bike operation.
22	WP7	Completed	Creating automatic payment records on Payments collection according to the usage time when session ends up.
23	WP7	Completed	Designing a payment scenario.
24	WP7	Completed	Adding dockers' coordinates on Dockers collection to pin dockers on google map.

## Sprint 5 plan

Item ID	Workpackage ID	Description	Status
6	WP3	Creation of user profile page for mobile app.	Left over Sprint 4
12	WP7	Improvement of back-end services that arise from front-end page needs.	Left over Sprint 4
15	WP5	Uploading data to the cloud system for data analyzing.	Left over Sprint 4
19	WP4	Addition of required notifications to the mobile application.	Left over Sprint 4
20	WP5	Application store payment methods will be integrated to the mobile app.	Left over Sprint 4
25	WP7	A collection creation and back end development for transaction history.	New
26	WP7	Back end development for usage history.	New
27	WP4	Creation of a transaction history page and improvement of related menus by placing transaction history.	New
28	WP4	Designing a usage history page on front-end.	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					
MF2	10	25	50	60					
MF3	25	25	25	35					
MF4	0	50	60	65					
MF5	0	50	60	65					
MF6	0	0	0	0					
MF7	0	0	0	25					
MF8	0	50	60	65					
MF9	0	0	0	0					
MF10	0	0	25	35					
MF11	0	0	0	0					
MF12	0	0	0	0					
MF13	0	0	0	0					
MF14	0	0	10	15					
MF15	0	0	0	0					