

SOFTWARE REQUIREMENTS SPECIFICATION (SRS) DOCUMENT



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PURPOSE

Designing an application that provides to cyclist for creating their own critical mass event (The number of cyclists has to come to a threshold value for cars to give way to cyclists while the intersection on main streets is turning, this number is called critical mass).

SCOPE

“City Cyclers” is open to all users, and also people who prefers cycling as a sport or as a hobby.

It is an application that enables people have rights on traffic in the city life.

On this application we create a timeline that includes cyclists’ events.

The users can vote other people’s events so thanks to our application, social network occurs.

The users have their profile has personal information and photographs.

Our app will contain home, login, signup, profile, event details and map pages.

Map page shows us route of going. Event details includes details of event such as time, location and explanation of creator and also comment line for users. The users can vote the event whether joining of event.

DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

Term/Abbreviations	Explanation

Term	Definitions
User	A potential user of the application.
Critical Mass	The number of cyclists has to come to a threshold value for cars to give way to cyclists while the intersection on main streets is turning.
Scope Creep	It refers to a project that has seen its original goals expand while it's in progress.
Project Cost	The price paid to acquire for software project
Risk	What can go wrong and what can done about it on project.

REFERENCES

<https://krazytech.com/projects/sample-software-requirements-specificationsrs-report-airline-database>

http://se.inf.ethz.ch/courses/2011a_spring/soft_arch/exercises/02/Requirements_Specification.pdf

GENERAL CONSTRAINTS

- If necessary, resources are not available, time to deliver will increase. This may also increase project cost, because alternate resources, if available, may be more expensive than planned.
- If scope creep happens on the project, it will result in increased time, cost, resources, and potentially reduced quality. And thus, increased risk on delivery.
- Fixed sixes team
- Some course laws that restrict project options

ASSUMPTIONS AND DEPENDENCIES

It's assumed that user have an internet access and have knowledge about phone use.

User which assigned to activity can be assigned another activity at the same time.

Users can't create two activity with same name.

REQUIREMENTS

FUNCTIONAL REQUIREMENTS

Property	Descriptions
Title	User Scope Permission
Description	All users will be able to see every activity on timeline and can participate in.
Priority	4
Risk	Medium

Property	Descriptions
Title	Authorization
Description	All users will have equal authorization to every aspect of the site. They can post new activity, comment on activities and will be allowed to vote other users' activities.
Priority	3
Risk	High

Property	Descriptions
Title	Authentication
Description	In the authentication process, the system will take users' email address, name, surname, phone number (optional)
Priority	2
Risk	Critical

Property	Descriptions
Title	Upload Photo to Activity
Description	Users will be able to upload photos from activities they participated in.
Priority	5
Risk	Low

Property	Descriptions
Title	Common Business Rules
Description	Users will have a unique identifier (USER_ID) and can search all of the initial set of databases. Activity names will be also unique identifier.
Priority	1
Risk	Critical

NON-FUNCTIONAL REQUIREMENTS

Operability

Application will include archiving and purging.

Access Security

Users' password will never be viewable at the point of entry or any other time during app process. There is no restriction on read access.

Portability

The system will support android and IOS mobile devices.

Availability

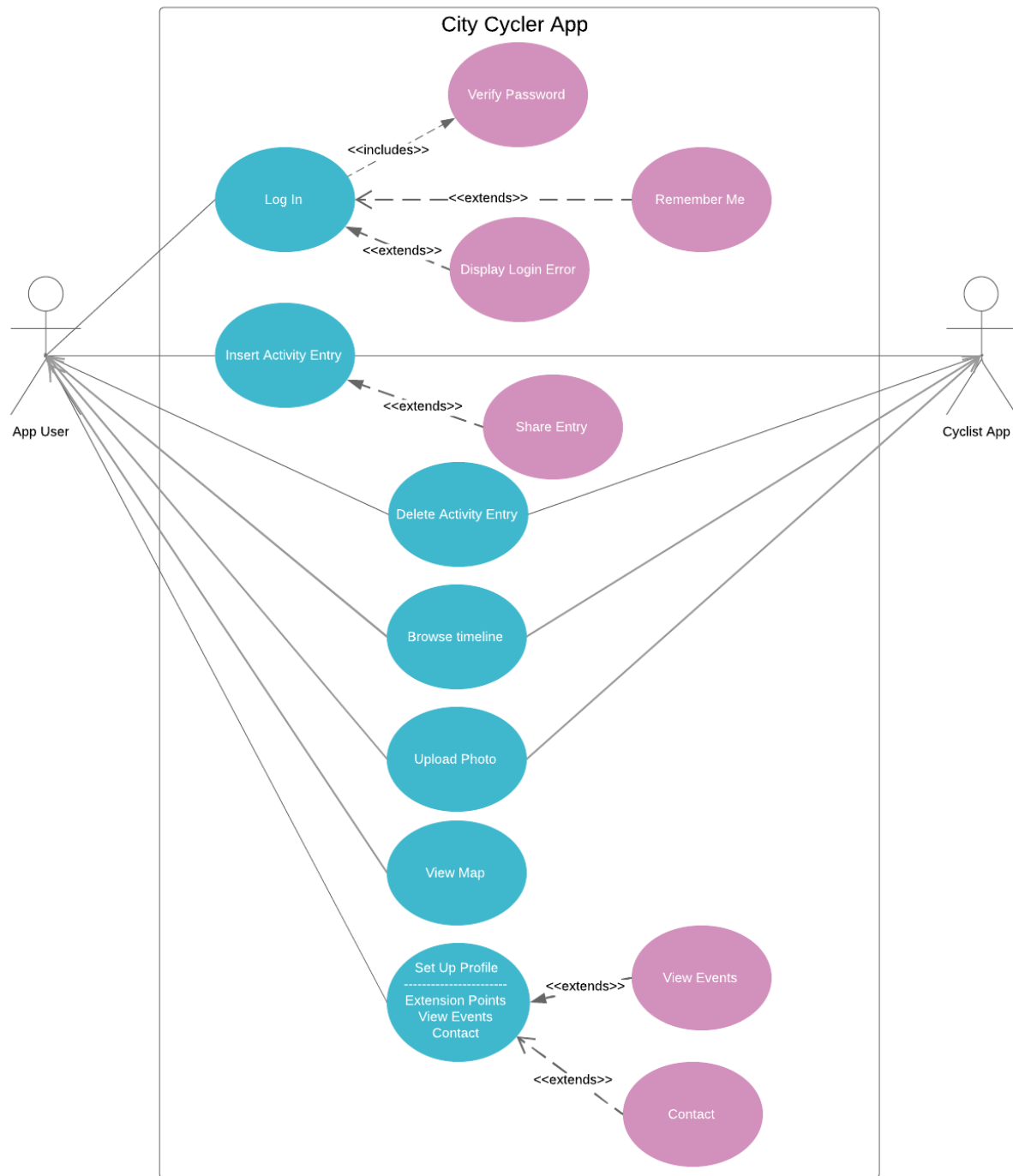
Application's native language has been set to English.

Safety

User personal information can be seen only by user himself.

Maintainability

Source code of project will have three parts on github.Frontend, Backend and Master. After all arrangments finished in backend and frontend, final code will be pushed to master part.



CREDITS

Introduction Purpose Scope Definitions Acronyms Abbreviations References General Constraints	Firdevs Mersin
Assumptions and Dependencies Requirements	Dilara Bayar
Use Case Diagram	Serdar Sayın