



Progetto Advanced - Eventify

42Roma Luiss | Leonardo

Summary: This document is the subject for Eventify webapp.

Version: 1.00

Contents

I	Preamble	2
II	Mandatory Part	3
II.1	Rules	3
II.2	Eventify Project	3
II.3	Security Concerns	5
III	Extras	6

Chapter I

Preamble

Eventify is an application for organizing social events between friends, family or colleagues. The application offers an interactive platform for creating events, managing participations and communicating between participants.

Chapter II

Mandatory Part

II.1 Rules

Your work has to comply the following rules:

- The website backend must be written in Java
- The frontend must be written with a TypeScript framework of your choice
- The frontend must provide a responsive web design
- You are free to use any library you want to in this context. However, you must use the latest stable version of every library or framework used in your project
- Your website must be a single-page application
- Your website must be compatible with the latest stable up-to-date version of Google Chrome, Firefox and Safari
- The user should encounter no unhandled errors and no warnings when browsing the website

II.2 Eventify Project

1. The website must provide a user sign-up flow
2. Each user must provide the following info:
 - (a) Firstname
 - (b) Lastname
 - (c) E-mail
 - (d) Profile Picture
 - (e) Date of Birth

3. Only adult users can sign-up to the website (> 18 years-old)
4. The website must provide a user sign-in flow
5. Users can schedule new events providing the following info:
 - (a) Title
 - (b) Description
 - (c) Datetime
 - (d) Place
 - (e) Gallery of pictures
 - (f) Categories (party, outdoor activities, etc...)
6. Events will be shown, in a public virtual board, sorted by event start datetime
7. Users can search for specific events by:
 - (a) Title
 - (b) Datetime (interval)
 - (c) Place
 - (d) Categories
8. Users can register (or unregister) for an event
9. Users can view the list of participants of each event
10. Users can view the list of own scheduled events
11. Users can edit own scheduled events
12. Users can view the list of events they will attend
13. The application will send notifications to users to remind them of the date of the event and to inform them of the changes made to the event (for example, the change of place or time) – Notifications will be displayed in a special section)

II.3 Security Concerns

In order to create a fully functional website, here are a few security concerns that you have to tackle:

- Any password stored in your database must not be plain-text
- Your website must provide server-side and frontend-side data validation
- You must implement some kind of server-side validation for forms and any user input
- Your website has to minimize the risks described by the OWASP Top Ten Standard Awareness Document
- Your application must expose the web services secured by HTTPS and authenticated (JWT)
- The application will be protected against SQL Injection and Cross-Site Scripting (XSS)

Chapter III

Extras

- Your application has to be compatible with mobile devices (both iOS and Android – PWA)
- Your application has to provide a Google or Facebook sign-in flow
- Your application has to provide a chat system in order to let communicate two distinct participants at the same event
- Users can view the event location using an interactive map (Google Maps)