



*Software Requirements Specification
Version 1.0*

EvePlus
*A Safety InfoPortal for
Women*

Domain: Women's Safety

Category: Website Design and Development

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1.0 Introduction

1.1.1 Need for the Document

EvePlus is proposed as an online support and safety information portal for women.

This document:

- ❖ Presents purpose and features of the portal
- ❖ Explains interfaces of the portal
- ❖ Describes what the portal will do
- ❖ Lists the constraints under which it must operate



1.1.2 Who Can Use this Document?

Stakeholders and developers of the portal

1.2 Why is the Portal Required?

Cities across the world are everyday facing issues of women's safety. There are thousands of reasons for which women feel unsafe. Women need informational resources that can help them learn about self-defense, understand safety measures, identify unsafe areas in the city, and more.




1.3 Proposed Solution



You will design and build a Website named 'EvePlus' which is intended to help women in your city be safe by providing self-defense tips and safety measures that can be implemented, identification of unsafe areas, and so on. Also, the Website will share eye-witness accounts of crimes against women. It will also showcase information about women heroes who tackled unsafe situations and emerged triumphant.

Sample Site Map

Hello, Sarah!



[Self-Defense Tips](#)
(Videos)

[Eye-witness Accounts](#)
(Audios)

[Safety Measures](#)

[Women Heroes](#)
(Image Gallery)

[Campaign Ideas](#)
Bulleterd list

[Unsafe Area](#)
Table

[Reports](#)
Table

[Contact Us](#)
Contact info

Helplines

Hello, Sarah!
Welcome to EvePlus

1.4 Scope of Project

This Web portal will be a responsive and visually appealing Website to be used by individuals especially women.

1.5 Constraints

The Web portal will not have any facility to store information on the server. Information can be fetched from pre-populated JSON or TXT files and displayed, however, information cannot be written to the files from within the portal.

1.6 Functional Requirements

The portal will be designed as a Single-Page-Application and responsive Website with a set of pages and menus that represent choice of activities to be performed. The pages, menus, and other visual elements must be designed in a visually appealing manner with attractive fonts, colors, and animations. All of these should also be laid out in a responsive manner.

Following are the functional requirements of the portal:

Note: For several of these options, information will be retrieved from a pre-populated JSON file and displayed. (Hint: Use AngularJS directives, filters, services, controllers, and other features to implement this).

- i. **Welcome Message:** The home page should accept first name from the user and display a personalized welcome message. At the top corner, the user's first name should be displayed for the entire duration that the portal is loaded.
- ii. **Self-Defense Tips:** This menu option will allow to view videos containing self-defense tips.
- iii. **Eye-witness Accounts:** This menu option will allow to hear audio stories of eye-witnesses who have seen crimes against women happening. This can help viewers prevent similar attacks, especially in the mentioned areas.

Note: The audio and video files should be of appropriate browser-supported formats and should be short in duration.

- iv. **Safety Measures:** This menu option upon clicking should display safety measures that can be undertaken by women to keep themselves safe. The information should be displayed in visually appealing manner with images, tables, and so on.

- v. **Women Heroes:** This menu option will display an image gallery with stories of women heroes who fought successfully against a crime. For example, it could be a woman tackling a stalker and getting him arrested or a woman foiling a chain snatching attempt through quick action, and so on. Other women can get inspired by such stories.
- vi. **Campaign Ideas:** This menu option displays several ideas in bulleted form for campaigns based on which you can start your own campaign towards women safety.
- vii. **Unsafe Area:** This menu option will display a list of unsafe places inside the city in a tabular grid.
- viii. **Reports:** Upon clicking this menu option, viewers should be able to see reports of crimes against women based on sorted order of date or location. (Hint: Retrieve the data from pre-populated JSON file using \$http.get. Use AngularJS directives such as ng-repeat, filters such as OrderBy, services, controllers, and other features to implement this).
- ix. **Helplines:** This will be displayed in a sidebar and will include important helpline phone numbers.
- x. **Contact Us:** This menu option should display Email id, address, and contact number of the team behind Eve Plus.

Over and above this, the portal should implement following functionalities:

- Display a continuous scrolling ticker at the bottom of the page with current date, time, and location (hint: Use geolocation features of HTML5).
- Display a visitor count at the top right corner of the page beside a logo image.
- Menu options should change color on hover and also after clicking.
- Fade-in and fade-out options can be used for the menus.

1.7 Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the Website, henceforth called the 'system'.

The system should be:

Safe to use: The system should not result in any malicious downloads or unnecessary file downloads.

Accessible: The system should have clear and legible fonts, user-interface elements, and navigation elements.

User-friendly: The system should be easy to navigate with clear menus and other elements and easy to understand.

Operability: The system should operate in a reliably efficient manner.

Performance: The system should demonstrate high value of performance through speed and throughput. In simple terms, the system should be fast to load and page redirection should be smooth.

Capacity: The system should support large number of users.

Availability: The system should be available 24/7 with minimum down time.

Compatibility: The system should be compatible with latest browsers.

1.8 Interface Requirements

1.8.1 *Hardware*

Intel Core i3 Processor or higher
4 GB RAM or above
Color SVGA
120 GB Hard Disk space
Mouse
Keyboard

1.8.2 *Software*

Technologies to be used:

1. Frontend: HTML5, CSS, Bootstrap, JavaScript, jQuery, AngularJS, XML
2. Data Store: JSON files or TXT files

Other Requirements:

3. Operating Portal: Windows
4. Browsers: Edge, Chrome, Mozilla Firefox, Safari

1.9 Project Deliverables

You need to design and build the project and submit it along with a complete project report that includes:

- Problem Definition
- Design specifications
- Diagrams such as flowcharts for various activities, Data Flow Diagrams, and so on
- Source Code
- Test Data Used in the Project
- Project Installation Instructions (if any)

The consolidated project will be submitted as a zip file with a ReadMe.doc file listing assumptions (if any) made at your end and JSON/TXT files containing test data.

Over and above the given specifications, you can apply your creativity and logic to improve the portal.

~~~ End of Document ~~~