



CSE 327

Section: 6

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Software Requirement Specification

Project Title: Helping Hand

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1. Introduction:

1.1 Purpose:

The proposed project is about helping depressed people by giving solution and counseling them. This is a website that overcomes the issue and manages the solutions. This is an open field where anyone can share their feelings.

1.2 Intended Audience:

This SRS would be read by web developers, project manager and testers to make this website better and updated. Most important audience are the users. By reading this SRS users will completely understand the use of website and its features.

1.3 Intended Use:

Web developers, project manager and testers will read user story thoroughly to understand the needs of the users' pain point and functional requirements from section 3 for this that are already used. Users will read the section 2 for the assumptions to know what the facilities that are fulfilled in this website are and to know about features for knowing how this works.

1.4 Product Scope:

By this website users can share their problems, depression reasons, and current situation. Then they will get solution within fifteen minutes. Counselor will counsel them. Other users can share their comments. This website will identify users with the same problems and mention their posts. Users can talk to each other so that they can spend some good times. This is a secure website. Users have to sign up here and have user id and password.

1.5 Risk Definition:

Project risks exist because the future is uncertain and there are many known and unknown factors that cannot be incorporated in the project plan. A software risk can be of two types

(1) Internal risks that are within the control of the project manager

Server down, spam.

(2) External risks that are beyond the control of project manager.

Risk management is carried out to:

Identify the risk, reduce the impact of risk, reduce the probability or likelihood of risk, and risk monitoring.

2. Overall Description:

This section will give an overview of the whole system. The system will be explained in its context to show how the system interacts with other systems. It will also describe what functionality is available for each type. At last, the constraints and assumptions for the system will be presented.

2.1 User Classes and Characteristics:

This project refers to several types of any computer system. However, this project is meant to be used by one major user class. But the users can act differently according to the environment.

- Admin should be able to insert, modify and delete any info related to the goal of this project.
- Add and edit solution of the problem that a user posted.
- Can record user's information to support him/her by providing useful information.
- Responsible to resolve any bugs and issues.
- Maintain User data in the server.
- Update the application and provide new versions when required.

Users who logged into the website are given a provision to check their information and change it. They can create their profile, add information, and update their information. They can post their stories, causes of depression and share it so that other users can help him or her. They can search for solution of other users of same type of cases or they can ask for one.

2.2 User Needs:

Primary user: People who are mentally depressed.

Secondary user: Psychiatrists.

Depressed people should be taken care of very carefully. This stage of mind is very dangerous. So this website will help them to find solution and to find the story of becoming a depressed man having same or almost same type of problem becoming a happy one.

2.3

Operating Environment:

This is a Web Based application and it runs on all types of smart phones and computers. Internet connection of smart phone or computer is also required. Being a collector or general user does not affect the hardware requirements of this website.

2.4 Constraints:

Technological Limitation: We're bound by the limitation of the stack (Node, MySQL etc.) we're using to build the website.

Time Constraint: We have limited amount of time to build the web app.

Man Power: We are a group of four people. So we need to work hard and give more time if we are to complete the project in time.

Knowledge Limitation: We still do not know everything to build the project. So a large number of our time will be spent on the learning process.

There are some other constraints like internet system & GPS. Based on these things the interface of the website may vary from user to user.

2.5 Assumptions:

The project can only be run in smart phones or computer with enough hardware and software. So we think our users use any one of these. Another thing is internet which must be needed. Without proper internet connection, this site cannot be loaded. So our users must all connect to internet. The website will be built in a very convenient way so each user will be able to understand all the features easily. User will get their desired solution here and can be able to make their lives happy again.

3. Requirements:

We divide requirements into 2 types: Functional and Non- functional.

3.1 Functional Requirements:

- User should be able to register.
- Database should be capable to register all the information efficiently without any loss of data.
- User should be able to change, edit his or her profile information.
- User should be able to give post about his story.
- User should able to get his proper solution.
- Admin can overlook the site, there is spam or not and can monitor the whole process.
- People can give review of the solution.

3.2 Non-Functional Requirements:

- User should be able to get solution within 15 minutes.
- Users should be safe and protected.
- Unwanted access in the system should be restricted.
- Responsive design should be implemented
- User should be able to understand the use of the system easily.
- This system should be compatible with different popular sites.
- Error message should be shown.
- System should be able to explain the solution perfectly.