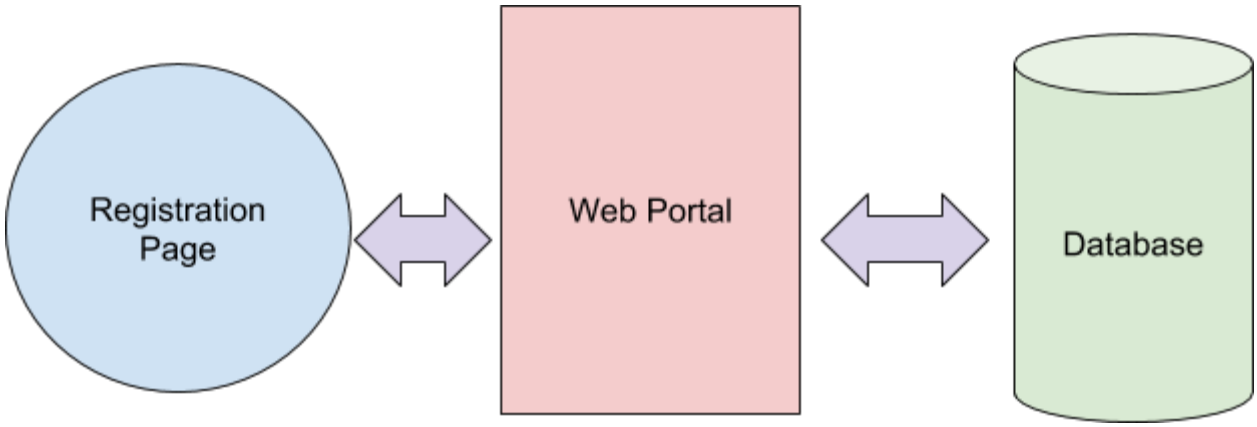
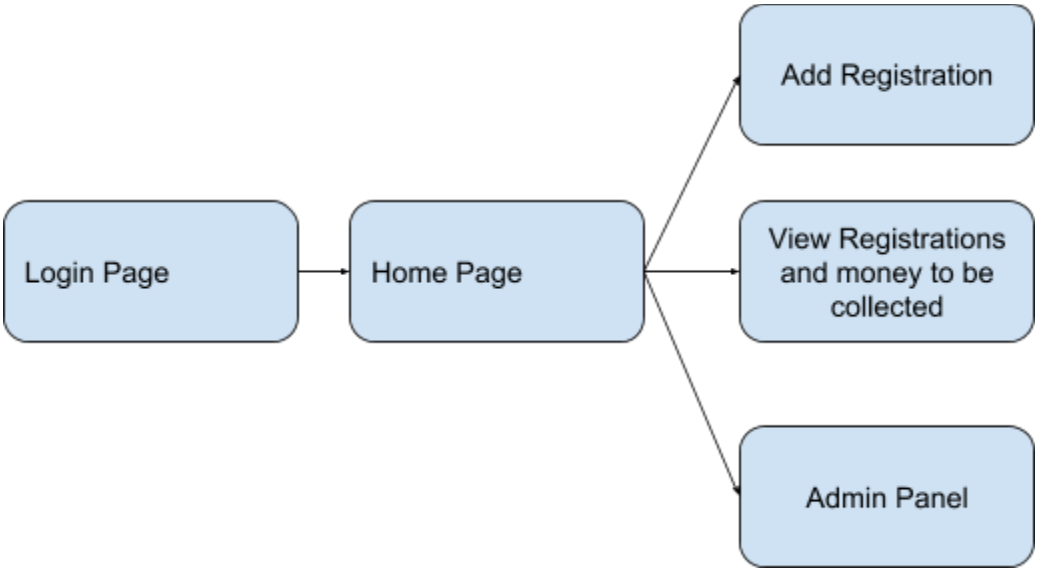
Aim: To create a SRS(Software Requirement Specification) DSC registration system

1. **Introduction**
   - **1.1. Purpose**
     The purpose is to make it easier for the DSC society to take student registrations
   - **1.2. Scope**
     This system has a great scope. It can be used by the whole society to make it easier for them to register and for the leads to keep track of the funds
   - **1.3. Definition , Acronyms, Abbreviations**
     SQL:Structured Query Language
   - **1.4. Reference**
     http://ec2-54-174-74-131.compute-1.amazonaws.com/
   - **1.5. Overview**
     A Registration Portal which only the members have access to and they can register using that and keep track of how many students they have registered.This also provides a consistent database of registrations.
2. **Overall Description**
   - **2.1. Product Purpose**
     - **i. System Interface**



     - **ii. User Interface**



iii. **H/W Interface**
- Any smart phone (Android / iOS).
- Any PC.

iv. **S/W Interface**
- Any browser

v. **Communication Interface**
- Nginx using WSGI

vi. **Memory Constraints**
- RAM:2GB

vii. **Operations**
- The user needs to enter their username and password in order to use the software.
- Enter the details of the registration.
- View all registrations done by you

viii. **Site application requirements**
- Each user is required to enter an individual Username & Password when accessing the software.
- Administrators have the option of increasing the level of password security their members must use.
- The data in the database is secured through multiple layers of Protection.
- One of those security layers involves member passwords.

2.2. Product Function

i. Used to register student members
ii. Used for the lead to keep track of the amount of money to be collected

2.3. User Characteristics

i. The user should know the basic English language.
ii. The user should know how to operate a smartphone or a website.
iii. The user should have an account on the website.

2.4. Constraints

i. Only hardware specific constraints

2.5. Assumptions and dependencies

Assuming the users of this system know basic English, have a smartphone or a PC, and an active Internet connection**.**

2.6. Apportioning requirements

i. N/A

3. <u>Specific Requirement</u>

3.1. External Interface

User Interface: There is a login page as soon as the application starts for the first time. The user needs to have a registered username or password, or can create a new one.

After logging in, a home page is opened where all the features of the system are given in form of a list. The user can choose one based on their requirements.

3.2. Functions

i. Register Student Member
ii. View your own registered students

3.3. Performance Requirements

The performance of the system should be fast and accurate. It shall handle expected and unexpected errors, like invalid username, password, etc. Testing of the system should be proper. The system should be able to handle large amount of data.

3.4. Logical Database Requirements

SQL database is used to perform all the database tasks.All entities in the database are :User and Registration

3.5. Design Constraints

3.6. Software system attributes

i. **Reliability:**Extremely reliable as the information is stored in the database and can be continuously tracked
ii. **Availability:**Available on multiple platforms
iii. **Security:** Everything is password protected
iv. **Maintainability:** Low or negligible maintenance but upgrades can be done as per the requirements
v. **Portability:** Easily Portable

3.7. Organisation of Specific Requirement

From administrator's point of view, the software must be easy to distribute among different servers and the communication between the server and the client should be as fast as possible.
From user's point of view, the GUI of the software should be interactive and easy to use.

3.8. Additional Comments

N/A

4. Change Management process

It will immediately respond to the changes in the program loaded in the ROM

5. Document Approval

Feasibility Report
RMS catalog