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# **Software Requirements Specification**

**for**

## **Student's Projects & Researches Dashboard**

**Version 1.0 approved**

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**2 April, 2019**

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## Revision History

Name	Date	Reason For Changes	Version

# 1. Introduction

## 1.1 Purpose

New reliable and fast Student Project Stuff software with the great AI support. It'll help you with your daily Student "Projects and research" routines and deliver you from your paperwork.

## 1.2 Document Conventions

This SRS Document contains the complete software requirements for the Online Student Project Stuff and describes the design decisions, architectural design and the detailed design needed to implement the system. It provides the visibility in the design and provides information needed for software support.

## 1.3 Intended Audience and Reading Suggestions

Software requirement specification form

## 1.4 Product Scope

- ✧ Online Student Projects and Researches Dashboard is developing for general purpose and used to replace old paper work system.
- ✧ It Will held Student to Add, Save and maintain their project easily.
- ✧ Student can also get feedback and suggestion for their stuff.
- ✧ And can also give other student suggestions in form of comment.
- ✧ This project make student more comfort in creating their projects and research report.

# 2. Overall Description

## 2.1 Product Perspective

The proposed system shall be developed using client/server architecture and be compatible with computer and mobile browser. The front end of the system will be developed using HTML CSS JavaScript and back end will be developed using PHP My SQL.

## 2.2 Product Functions

- *Login System*
- *Add Post*
- *Timeline*
- *Comments*
- *Save Storage*
- *User Profile*

## 2.3 User Classes and Characteristics

*All University's Master and Graduation Program Students.*

## 2.4 Operating Environment

*Any browser ( Chrome, Firefox or Safari etc ) Of Computer, iPods and Mobile*

## 2.5 Design and Implementation Constraints

*·There will only be one administrator.  
·The delete operation is available only to the administrator. To reduce the complexity of the system, there is no check on delete operation. Hence, administrator should be very careful before deletion of any record and he/she will be responsible for data consistency.*

## 2.6 User Documentation

*All the User Guide, Help And Manuals will be inside the portal in the "Help Page".  
So user can take easily take online help and guide.*

## 2.7 Assumptions and Dependencies

*There are no assumptions made.*

# 3. External Interface Requirements

## 3.1 User Interfaces

*The set of User Interfaces consists of,*

- a) To log in to their respective accounts by users.*
- b) To Add and Modify fields such as Projects, Reports, Researches and, save and publish the various data stored in the fields.*
- c) To read the „published“ data, by the students/Admin according to the permission of their respective accounts.*
- e) View account details of a student, Admin , Other staff and edit those.*

## 3.2 Hardware Interfaces

*Computer and Mobile systems will be in the networked environment as it is a multi-user system.*

## 3.3 Software Interfaces

*In this application we will use:*

**Software Languages:**

- 1) Php.
- 2) MySQL
- 3) Python
- 4) Javascript ( ES6 , ES7)
- 5) CSS
- 6) HTML

**Operating System:**

Run On Any Platform Of MAC, LUNIX and WINDOWS

### 3.4 Communications Interfaces

*This software package should be securely available on internet communication channels*

## 4. System Features

*This requirement of the software package are describe per each category of users:*

- *Admin Creating Students and faculty*
- *Student Sharing and Storing their stuff.*
- *Faculty member view student's performance.*

### 4.1 Admin Creating Students and faculty

#### 4.1.1 Description and Priority

*To add student Admin go to the create student page and using their roll no. They can create student. As well as faculty member.*

#### 4.1.2 Stimulus/Response Sequences

*In create user page their will be a form, which will fill by admin to give all information of the user they want to create.*

#### 4.1.3 Functional Requirements

*The From will be POST at PHP page, In this page information will authenticate that,  
No same roll no student will enroll to system.  
As well as no same faculty id user will enroll.  
All roll no of student must be unique.*

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### 4.2 Student Sharing and Storing their stuff

#### 4.1.1 Description and Priority

*To Share stuff student go to their profile or home and upload their stuff with some description.*

#### 4.1.2 Stimulus/Response Sequences

*Student will upload their stuff by clicking upload button or drag and drop file, then submit post with some description required.*

#### 4.1.3 Functional Requirements

*All post of student will save in a database table with date, name, description and link with user unique id. Post will also have their own id.*

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### **4.3 Faculty member view student's performance**

#### **4.1.1 Description and Priority**

*Faculty member can like, dislike, comment post, search research and report.*

#### **4.1.2 Stimulus/Response Sequences**

*A small comment box will made in bottom of the post which will use for comment.  
Search bar will always on top of the header, and will be fixed on scroll, so they can be always visible on screen.*

#### **4.1.3 Functional Requirements**

*Comments will be link with user post unique id, which will create at the time the post create.*

## **5. Other Nonfunctional Requirements**

### **5.1 Performance Requirements**

*Depend on the server performance.*

### **5.2 Safety Requirements**

*All Important detail should be save in hard copy as well.*

### **5.3 Security Requirements**

*This software will,*

- a) Authenticate each user, who logs in;*
- b) When the user performs any action, authorize him/her to perform the actions allowed for the user and displays an error message if found to be unauthorized.*

### **5.4 Software Quality Attributes**

*<No>*

### **5.5 Business Rules**

*<No.>*

## **6. Other Requirements**

*There are no other requirements.*

## Appendix A: Glossary

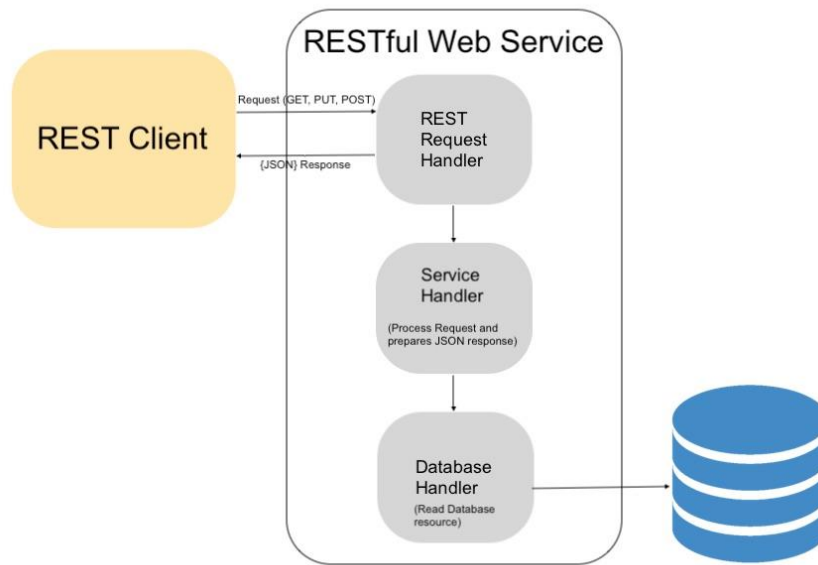
**PHP** : Is a type of server side language stands for “ Hypertext Preprocessor “.

**MySQL** : Is a freely available open source Relational Database Management System (RDBMS) that uses Structured Query Language (SQL).

**CSS**: Cascading style sheet.

**HTML**: Hyper text markup language.

## Appendix B: Analysis Models



## Appendix C: To Be Determined List

**Username and Password Rules:** 1. Username should begin with any letter. 2. Username should be unique for all users. 3. Username should be at-least 6 characters long. 4. Password should contain at least one special character and one number. 5. Password should be at least 6 characters long.