Software Requirements Specification

for

Student Learning base website

**Version 1.0 approved**

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**CSPIT-CE**

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# 

# 1) Introduction

## 1.1 Introduction

*We are designing student learning base website for the help of students.*

*The basic motto of this project is to give the facility to student can download Material and can give a quiz And the teacher can create the channel and upload their material.*

*This website helps the student to surf for their studies.*

**1.2 Document Conventions**

We have chosen fonts and highlighted certain information which will be reader friendly.

## 1.3 Intended Audience and Reading Suggestions

*The students who face difficulty in their study, they can use our website to improve their learning and give them flexibility.*

## 1.4 Project Scope

*The basic motto of this project is to help to students to improve their learning skills and also for faculty, they help the students by their skills.*

*The purpose of this website is to provide material to students by the faculty through their channels.Our website provides all the necessary details like first of the login and sign up, for students- they can show the material and give a quiz, for faculty- they can make a channel and upload their material for students and make a quiz for students.*

**1.5 References**

Reference has been taken from the official website like Hacker Rank.

Reference has also been taken from web designing ,development tutorials and bootstrap.

# 2 Overall Description

## 2.1 Product Perspective

A student learning base website contains the following information.

**2.2 Product features**

## 

## 

## 2.3 Operating Environment

*Operating environment for our retailed website is as listed below.*

*client/server system*

*Operating system: Windows,MacOs.*

*platform: HTML/Javascript/CSS*

## 2.4 Design and Implementation Constraints

Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer’s organization will be responsible for maintaining the delivered software

| **3rd Sem** | **4th Sem** | **5th Sem** | **6th Sem** | **7th Sem** |
| --- | --- | --- | --- | --- |
| Not required | Not Required | Not Required | Mandatory | Mandatory |

## 2.5 Assumptions and Dependencies

The main assumption of this project is that the user will be provided with ample information regarding sanitaryware products which will help the customer review our products and select the products they wish to purchase and the customer will be provided with a rough estimated expenditure(Quotation).

# 3 System Features

## 3.1 System Feature 1

**3.1.1 Stimulus/Response Sequences**

* + Search for varieties of different sanitaryware products lightning products
  + Displays a detailed list of products along with images , dimensions,colour,estimated price,list of brands.
  + Clients can generate quotations for the products they wish to buy.

**3.1.2 Functional Requirements**

* The website should be able to give a Material for students and create a channel for faculty.

# 4 External Interface Requirements

## 4.1User Interfaces

Front-end Software: Visual studio code,Bootstrap.

***4.2* Hardware Interfaces**

*Windows*

*Browser which supports CSS,HTML,javascript*

## 4.3 Software Interfaces

*Following are the software used for the our online showroom website.*

| ***Software used*** | ***Description*** |
| --- | --- |
| Operating system | We have chosen Windows operating system for its best support and user-friendliness. |
| Database | To save the flight records, passengers records we have chosen node js and javascript. |
| Visual studio code | To implement the project we have chosen HTML,CSS,javascript language for its more interactive support. |

## 4.4 Communications Interfaces

This project supports all types of web browsers.

**5 Other Nonfunctional Requirements**

## 5.1 Performance Requirements

As the project is web based so there are no specifications for performance but in further updates of the project the user will be able to select the products they wish to buy and will also be able to generate a rough expenditure(Quotation) for the products.

## 5.2 Safety Requirements

Specify those requirements that are concerned with possible loss, damage, or harm that could result from the use of the product. Define any safeguards or actions that must be taken, as well as actions that must be prevented. Refer to any external policies or regulations that state safety issues that affect the product’s design or use. Define any safety certifications that must be satisfied.

| **3rd Sem** | **4th Sem** | **5th Sem** | **6th Sem** | **7th Sem** |
| --- | --- | --- | --- | --- |
| Not Required | Not Required | Required, if requirement needs | Required, if requirement needs | Required, if requirement needs |

## 5.3 Security Requirements

*Specify any requirements regarding security or privacy issues surrounding use of the product or protection of the data used or created by the product. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the product. Define any security or privacy certifications that must be satisfied.*

| **3rd Sem** | **4th Sem** | **5th Sem** | **6th Sem** | **7th Sem** |
| --- | --- | --- | --- | --- |
| Not Required | Not Required | Required, if requirement needs | Required, if requirement needs | Required, if requirement needs |

## 5.4 Software Quality Attributes

* ***AVAILABILITY:*** *Our retailed website is available 24\*7.*
* ***CORRECTNESS:*** *The flight should reach start from correct start terminal and should reach the correct destination.*
* ***MAINTAINABILITY:*** *The administrators and flight in chargers should maintain correct schedules of flights.*
* ***USABILITY:*** *The flight schedules should satisfy a maximum number of customers needs.*

**Refrence:**[**https://www.hackerrank.com/**](https://www.hackerrank.com/)