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# **Software Requirements Specification**

**for**

## **Web application for “Weather Insulations”**

**Version 1.0 approved**

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# Table of Contents

<b>Table of Contents</b>	<b>ii</b>
<b>Revision History</b>	<b>ii</b>
<b>1. Introduction</b>	<b>4</b>
1.1 Purpose	4
1.2 Document Conventions	4
1.3 Intended Audience and Reading Suggestions	4
1.4 Product Scope	4
1.5 References	4
<b>2. Overall Description</b>	<b>4</b>
2.1 Product Perspective	4-5
2.2 Product Functions	5
2.3 User Classes and Characteristics	5
2.4 Operating Environment	5
2.5 Design and Implementation Constraints	5
2.6 User Documentation	5
2.7 Assumptions and Dependencies	5
<b>3. External Interface Requirements</b>	<b>6</b>
3.1 User Interfaces	6
3.2 Hardware Interfaces	6
3.3 Software Interfaces	6
3.4 Communications Interfaces	6
<b>4. System Features</b>	<b>7</b>
4.1 Sign in Page	7
4.2 Login and User account	7-8
4.3 FAQ and adding threads	8
4.4 Search threads	8-9
4.5 Contact Us	9
4.6 Facilities	9-10
<b>5. Other Nonfunctional Requirements</b>	<b>10</b>
5.1 Performance Requirements	10
5.2 Safety Requirements	10
5.3 Security Requirements	10
5.4 Software Quality Attributes	10
5.5 Business Rules	10
<b>6. Other Requirements</b>	<b>11</b>
<b>Appendix A: Glossary</b>	<b>11</b>
<b>Appendix B: Analysis Models</b>	<b>11</b>
<b>Appendix C: To Be Determined List</b>	<b>11</b>

## Revision History

Name	Date	Reason For Changes	Version

# **1. Introduction**

## **1.1 Purpose**

A web application is built for the company “Weather Insulations”, with a main intention to give them a online platform for marketing.

## **1.2 Document Conventions**

NA

## **1.3 Intended Audience and Reading Suggestions**

This is meant for users and developers

## **1.4 Product Scope**

This Web application can in short do the following:

1. Give information about the services provided by the company.
2. Clients to ask questions regarding the companies services.

## **1.5 References**

- 1) IEEE tablet
- 2) UML 2.0 manual
- 3) R. S. Pressman Software Engineering , a practitioner’s approach

# **2. Overall Description**

## **2.1 Product Perspective**

1. Give details about services provided by the company

2. Provide a platform to ask and answer questions related to the services provided by the company

## 2.2 User Classes and Characteristics

### 1) Registered Users

Registered users will have special ability to ask questions related to the services provided by the company and rest features are similar to an unregistered user.

### 2) Unregistered users

An unregistered user cannot ask a question but can view them his features include search for a thread, viewing the information regarding the contact, product information

### 3) Staff

Main purpose of this user is to answer the questions posted by the clients their reply will have highest priority among others.

## 2.3 Operating Environment

### NO SPECIFIC REQUIREMENT"

As it is a web application any fairly recent computer capable of running a web browser would suffice

## 2.4 Design and Implementation Constraints

The application is built in JavaScript and Markup languages which is not completely an object oriented language and nor a procedural language.

## 2.5 User Documentation

Every user needs to undergo an authentication procedure before asking or answering the queries on the Help Desk tab

## 2.6 Assumptions and Dependencies

bootstrap.css version 4.1.3 for web page styling.

**“WILL BE ADDED LATER”**

## **3. External Interface Requirements**

### **3.1 User Interfaces**

The user must know the url to use the web application, this url will direct the user to the home page which gives an overview about what does the company provide and reviews from their regular customers. User has a option to navigate to other tabs, which are the facilities tab - which gives detail description of their products, FAQ tab which provide platform to ask and answer questions, About us tab for knowing the companies agenda, Contact us tab gives information about the location and contact details and finally the Gallery tab.

### **3.2 Hardware Interfaces**

**“NO SPECIFIC DRIVER REQUIREMENT”**

### **3.3 Software Interfaces**

Mongoose - to connect Mongodb to node.js  
Passport.js - for user Authentication  
NodeJS is being used for database connection to the web-application.

### **3.4 Communications Interfaces**

To run the web-application we will require a web browser. Thus HTTP is also required.  
TCP/IP protocol

## **4. System Features**

## 4.1 Sign in Page

### 4.1.1 Description and Priority

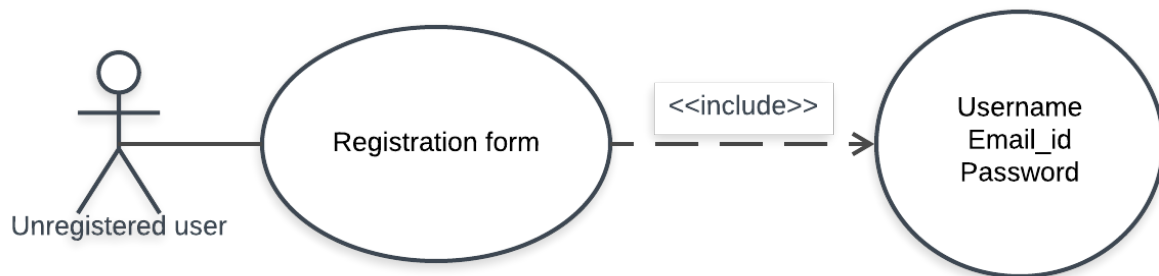
Here a user can register. Registering on this web-application has extra benefits. Thus this feature is of high priority.

### 4.1.2 Stimulus/Response Sequences

On the Home page of the web-application there will be an icon to login if you are already a registered user you can directly enter your credentials, else sign in button on page will direct you to another page where one can give their personal details.

### 4.1.3 Functional Requirements

Once on the sign in page the user is required to give details such as their First name, Last name, email id, password, confirm password generated username is shown on clicking the submit button details are added into the database.



## 4.2 Login and User account

### 4.2.1 Description and Priority

Once a user is registered they can login to their account using the login icon in the home page.

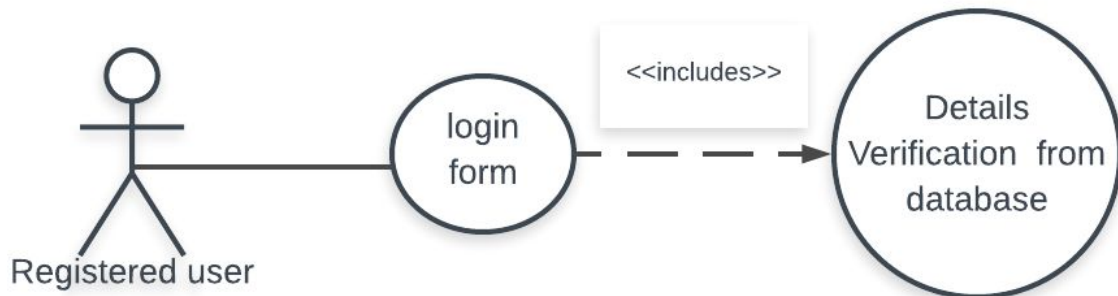
### 4.2.2 Stimulus/Response Sequence

On clicking the login icon this directs the use to the login page where the text box asks for their Email\_id / Username and password.

### 4.3.3 Functional Requirements

Once details are inserted and login button is clicked the details entered they are verified with the once that are present in the database if they match the procedure

is complete or else the page is refreshed now the information that the details does not match.



## 4.3 FAQ and adding threads

### 4.3.1 Description and Priority

Users those who have logged in will have this facility to ask and answer queries related to the services provided by the company

### 4.3.2 Stimulus/Response Sequences

On clicking the FAQ tab on the home page they will be directed to the FAQ section which will direct the FAQ page which lets the user to view the previously asked questions search box for searching for the threads and another button which lets them ask a question

### 4.3.3 Functional Requirements

- Once on clicking the ask a question button a list pop's up which asks the title of the question and list which lets them pick up a certain predefined tags and the details of the question in the next text box. on clicking the add submit button the details should be added to the database.

## 4.4 Search Threads

### 4.4.1 Description and Priority

Users those who have logged in will have this facility to ask and answer queries related to the services provided by the company

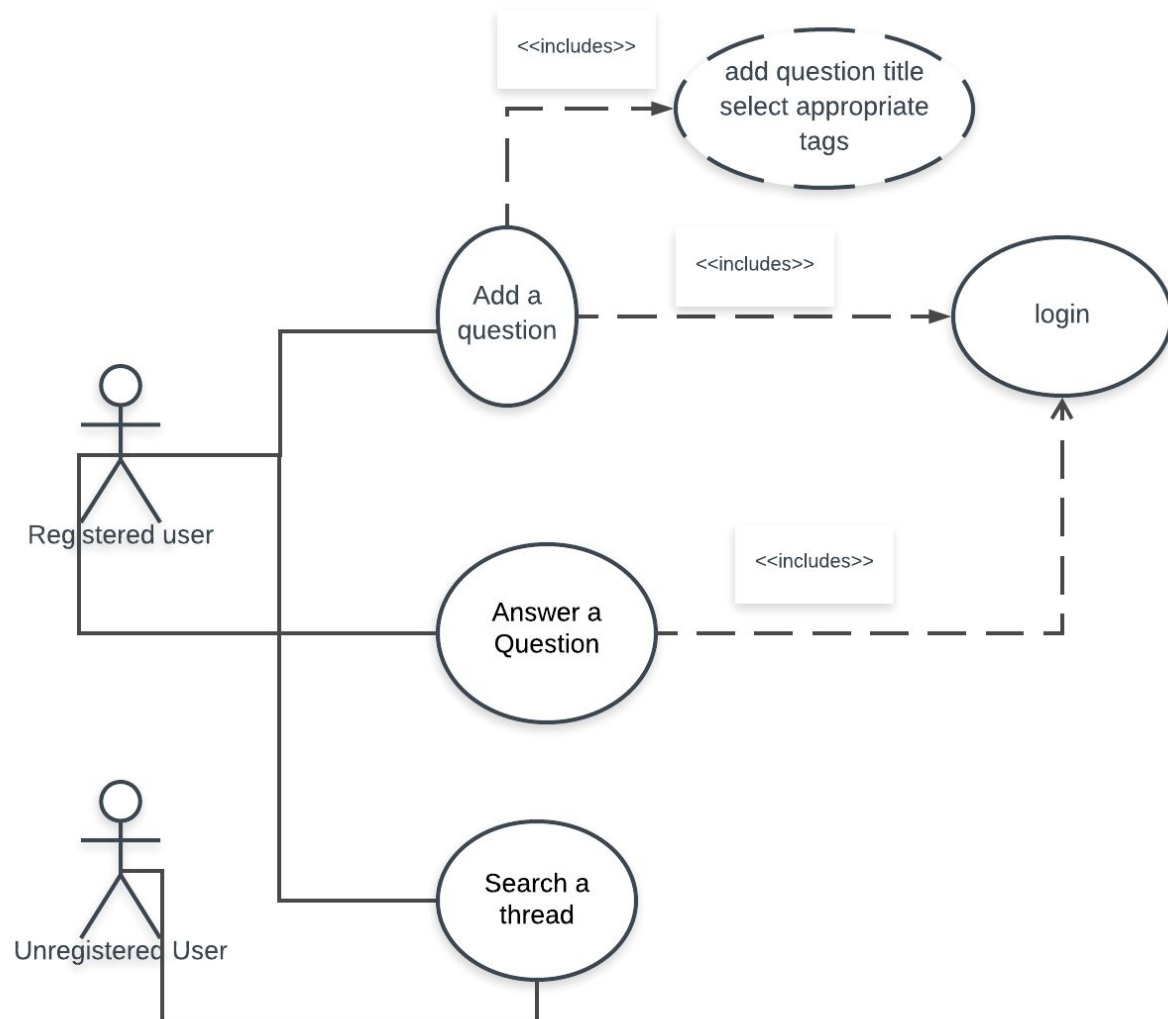
### 4.4.2 Stimulus/Response Sequences



On clicking the FAQ tab on the home page they will be directed to the FAQ section which will direct the FAQ page which lets the user to view the previously asked questions search box for searching for the threads

#### 4.4.3 Functional Requirements

- Search bar search as in two ways firstly it checks if there is a exact match for the question if not it searches for a certain tags in the question in and shows appropriate results.



## 4.5 Contact us Page

### 4.5.1 Description and Priority

- both registered and unregistered users can view this page no specific priority

#### 4.5.2 Stimulus/Response Sequences

- On clicking the Contact us tab on the homepage they will be directed to the contact us section.

#### 4.5.3 Functional Requirements

- Companies contact information like their post box address and official email id and office landline is provided a google maps image of their location is shown.

### 4.6 Facilities Page

#### 4.6.1 Description and Priority

- both registered and unregistered users can view this page no specific priority

#### 4.6.2 Stimulus/Response Sequences

- On clicking the facilities tab on the homepage they will be directed to the section.

#### 4.6.3 Functional Requirements

- Companies product and service information is provided here this a static page which is less often modified by the admin.

## 5. Other Nonfunctional Requirements

### 5.1 Performance Requirements

As we are deploying the hosting the web application with unlimited bandwidth performance might not be the problem even if many user visit the website at the same time.

**“NOT YET TESTED”**

### 5.2 Safety Requirements

Passport.js is widely accepted authentication tool is not an issue

### **5.3 Security Requirements**

**“NOT YET DECIDED”**

### **5.4 Software Quality Attributes**

**“NOT YET DECIDED”**

### **5.5 Business Rules**

**“NOT YET DECIDED”**