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# System Requirements Specification

**Index**

**For**

**Online Product Management App**

**Version 1.0**

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# FRONTEND-ANGULAR SPA

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## 1 PROBLEM STATEMENT

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Online Product Management is SPA (Single Page Application), it allows to manage the products with functionalities to create a new product, update an existing product, get detailed information, and search any particular product.

## 2. PROPOSED ONLINE PRODUCT MANAGEMENT WIREFRAME

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### 2. 1 HOME PAGE

Template x +

localhost:4200

### Online Product Management App

#### Product Management

Name:

Price:

Category:

Stock:

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#### Products

ID Name Price Category Stock Actions

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#### Search Products

Name:

Price:

Category:

AFTER ADDING THE PRODUCTS:

Template x +

localhost:4200

Online Product Management App

Product Management

Name:

Price:

Category:

Stock:

Add Product

## Products

ID	Name	Price	Category	Stock	Actions
5	Mobile	7000	Electronics	30	<div>UpdateDelete</div>
4	Laptop	9999	Electronics	10	<div>UpdateDelete</div>
7	Fan	2500	Electronics	20	<div>UpdateDelete</div>

## Search Products

Name:

Price:

Category:

Search

ON CLICK UPDATE BUTTON:

Template x +

localhost:4200

Online Product Management App

Product Management

Name:Mobile

Price:7000

Category:Electronics

Stock:30

Update Product

Products

ID	Name	Price	Category	Stock	Actions
5	Mobile	7000	Electronics	30	<div>UpdateDelete</div>
4	Laptop	9999	Electronics	10	<div>UpdateDelete</div>
7	Fan	2500	Electronics	20	<div>UpdateDelete</div>

Search Products

Name:

Price:

Category:

Search

### 3. BUSINESS-REQUIREMENT:

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As an application developer, develop the Online Product Management App (Single Page App) with below guidelines:

User Story #	User Story Name	User Story
US_01	Home Page	As a user I should be able to visit the home page as default page. Where I can see a form to create or update the product, list of all products with options to edit and delete any product and in last there should be a form to search any product on its name, price or category criteria.
US_01	Home Page	<p>As a user I should be able to see the homepage and perform all operations:</p> <p>Acceptance criteria:</p> <ol style="list-style-type: none"><li>As a user I should be able to furnish following details at the time of creating the product.<ol style="list-style-type: none"><li>Name</li><li>Price</li><li>Category</li><li>Stock</li></ol></li><li>Add Product button should be disabled until all fields are validated.</li><li>Update Product button should be displayed when you click on Update button.</li><li>Name filed min length is 3 and max length 20.</li><li>Price filed min value is 0 and max value 9999.</li><li>Stock filed min value is 0 and max value 1000.</li><li>All fields are mandatory. If any filed is missing or if any constraint is not satisfied then must show a message.</li><li>Form control names should be case sensitive and they should be like as follows:<div>name</div><div>price</div><div>category</div><div>stock</div></li></ol>

## 4. EXECUTION STEPS TO FOLLOW FOR FRONTEND

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1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal ->New Terminal.
3. This is a web-based application, to run the application on a browser, use the internal browser in the environment.
4. You can follow series of command to setup Angular environment once you are in your project-name folder:
  - a. npm install -> Will install all dependencies -> takes 10 to 15 min
  - b. npm run start -> To compile and deploy the project in browser. You can press <Ctrl> key while clicking on localhost:4200 to open project in browser -> takes 2 to 3 min
  - c. npm run test -> to run all test cases. **It is mandatory to run this command before submission of workspace -> takes 5 to 6 min**
5. You need to use **CTRL+Shift+B** - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.