

[Read the question fully first]

Part-I (HTML & JAVASCRIPT)

Question 1: (20 Marks)

Pin Code Validation - Data Binding

Jain is the customer of 'Gadget wall' an online web application. He wishes to order some products online and expects to deliver the product to his address. But the company did not have more delivery guys to deliver orders across the globe. So there will be some set of pin codes where the delivery is possible.

Help the company to validate the entered pin code is possible for delivery by the company.

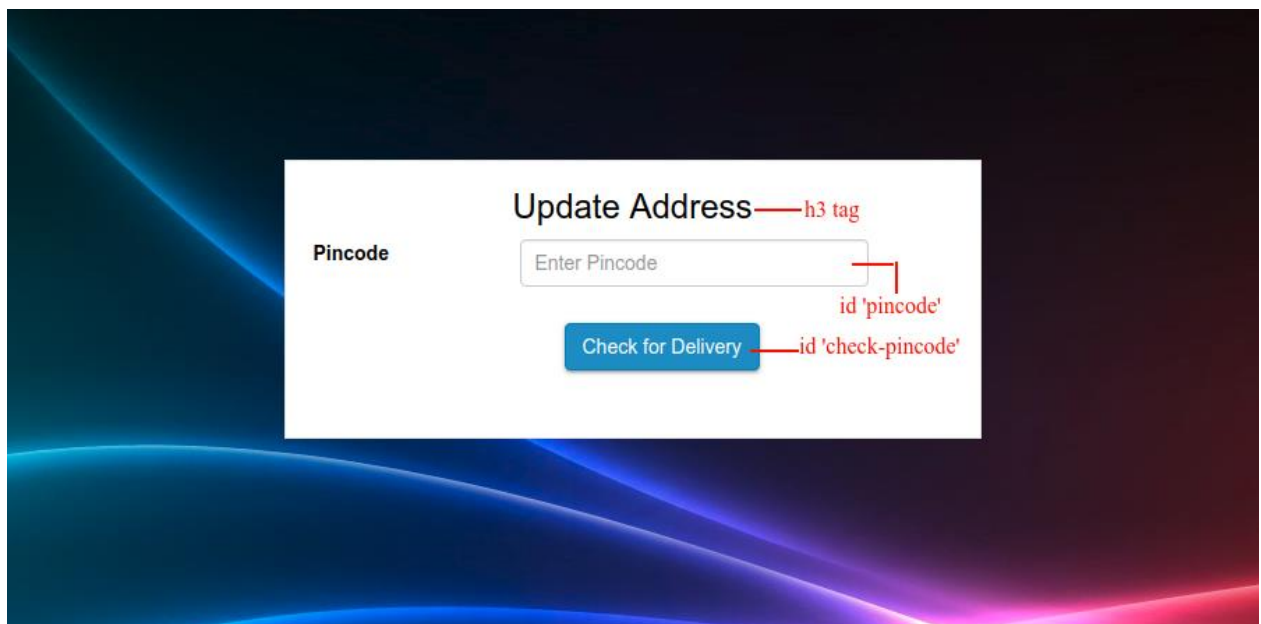
Condition

Have a set of pin codes in an array for checking with the entered pin code by the user.

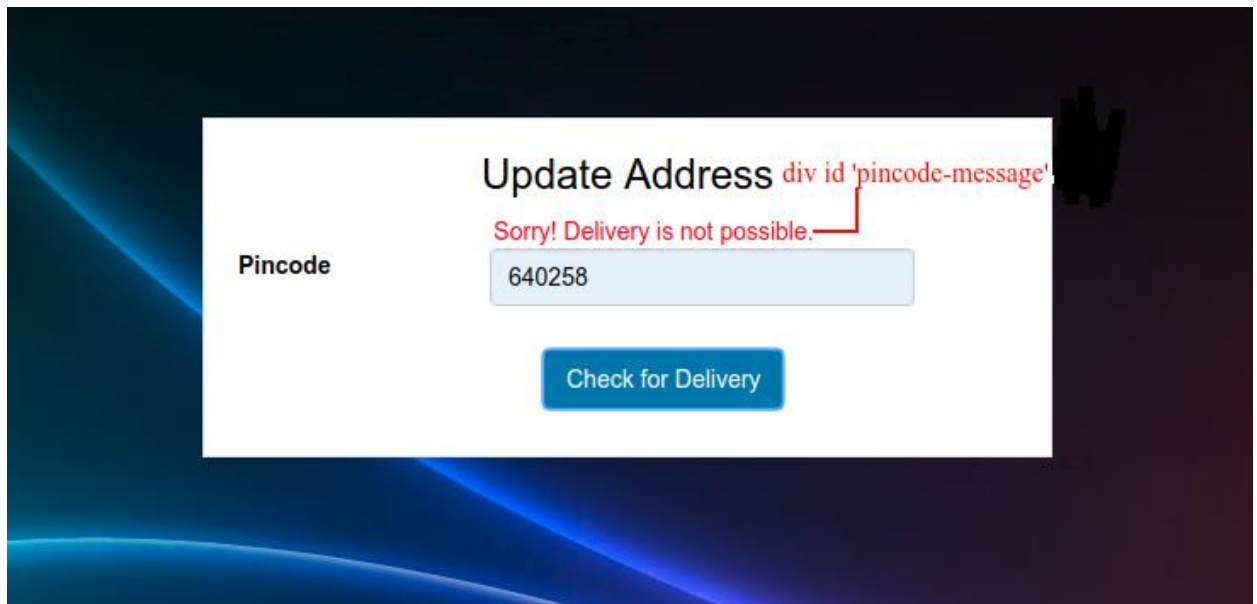
Get the entered user's pin code and check whether the pin code exists in the array. If exists, display in green color '**Delivery is possible.**' otherwise display in red color '**Sorry! Delivery is not possible.**'

Assume that the valid pincodes are '641028,641218,652333,641027,641021'.

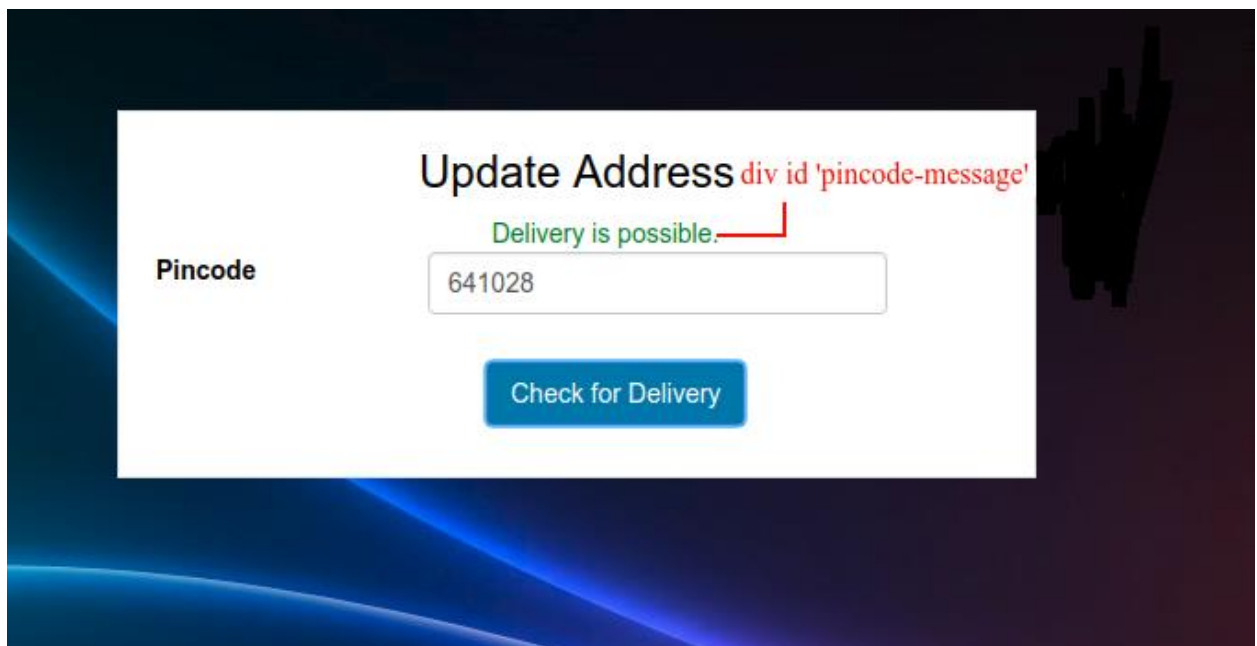
Screenshot 1



Screenshot 2 (On entering invalid pincode)



Screenshot 3 (On entering valid Pincode)



Part-2 (Angular & Bootstrap)

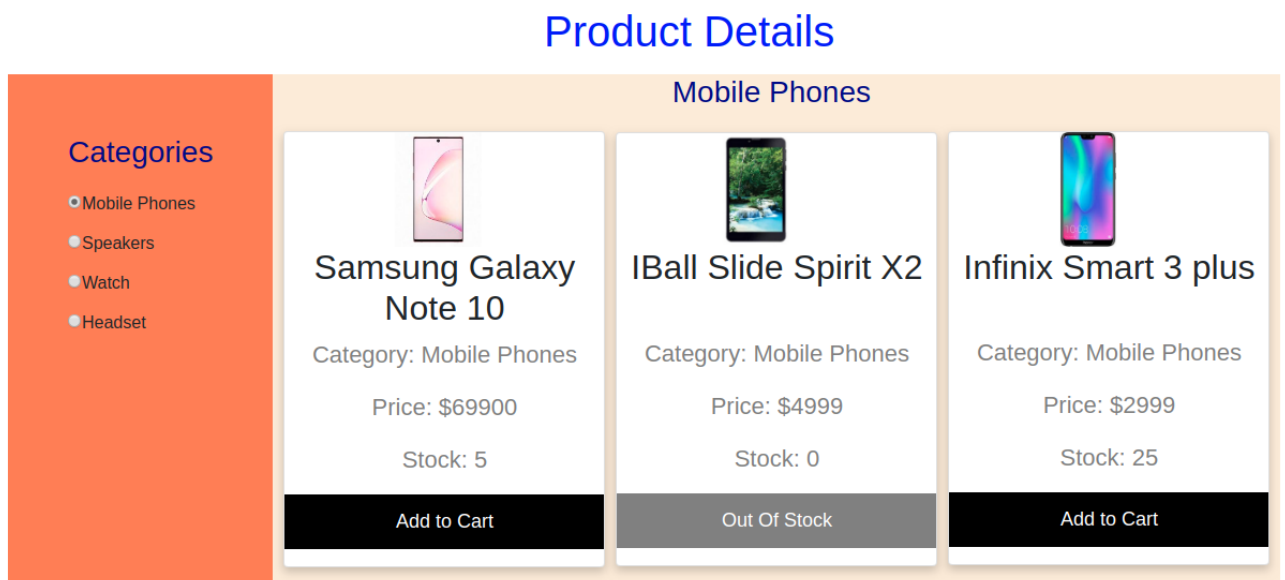
Question 2: (50 Marks)

Display the product details using ngSwitch

In an online shopping platform, a variety of products will be available for customers. As the platform gets bigger, more products will be enrolled on the site. To handle this, one way is to display the products in a categorized manner.

Create a webpage to display the list of products available and have an option to filter the products based on the given categories.

Sample Screenshot 1:




Sample Screenshot 2:

Product Details

Categories

- Mobile Phones
- Speakers
- Watch
- Headset

Headset




SkullCandy BT Inkd Plus

Category: Headset

Price: \$1999

Stock: 20

Add to Cart




Anker Soundbuds Rise

Category: Headset

Price: \$2999

Stock: 0

Out Of Stock



Skullcandy Set 2.0 Rise

Category: Headset

Price: \$2999

Stock: 25

Add to Cart


Sample Screenshot 3:

Product Details

Categories

- Mobile Phones
- Speakers
- Watch
- Headset

Watch




Apple Watch Series

Category: Watch

Price: \$52940

Stock: 2

Add to Cart



Timex Three Hand

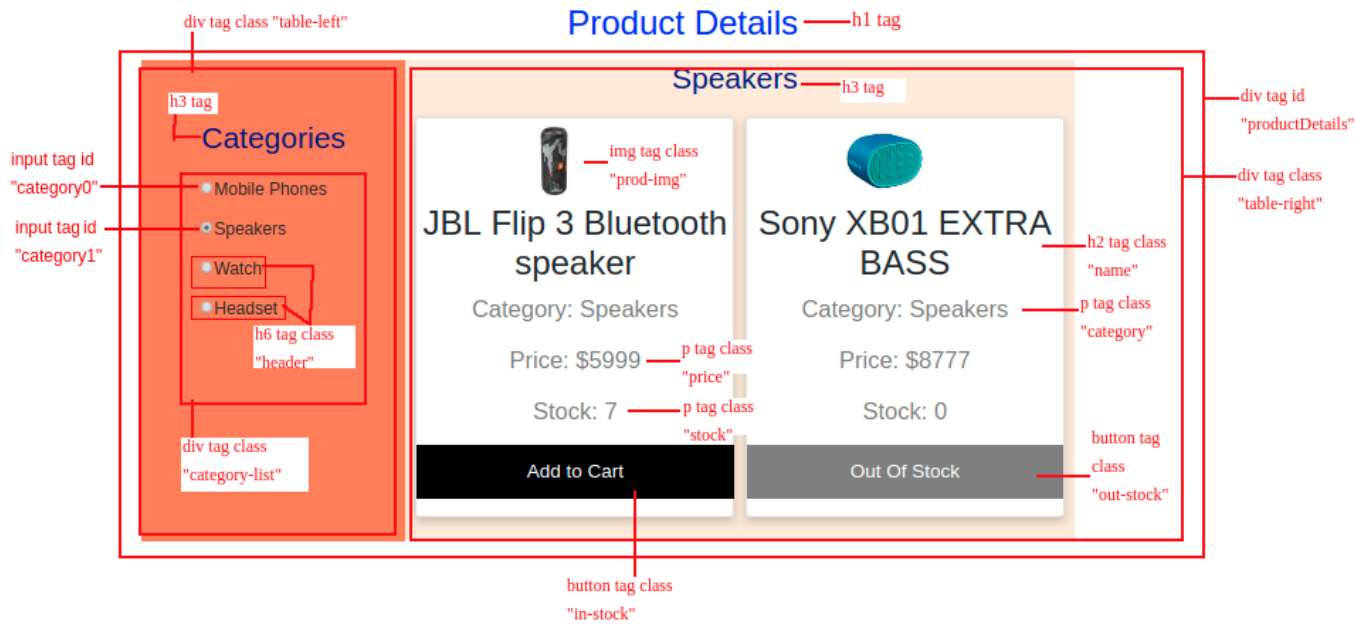
Category: Watch

Price: \$2999

Stock: 25

Add to Cart

Sample Screenshot 4:



Constraints :

In **app.component.ts**,

Use **changeCategory()** function to change the **category**.

In **app.component.html**,

Create a radio button for the product **category** as (Mobile Phones, Speakers, Watch, Headset).

Display the **product details** as based on **category name** using **ngSwitch**.

Note: Do follow the UI constraints given in the screenshots. And use only hardcoded dummy data for products, no use of database.

Part-3 (ReactJS & Bootstrap)





Question 3: (30 Marks)

Display the product list in neat rows using React

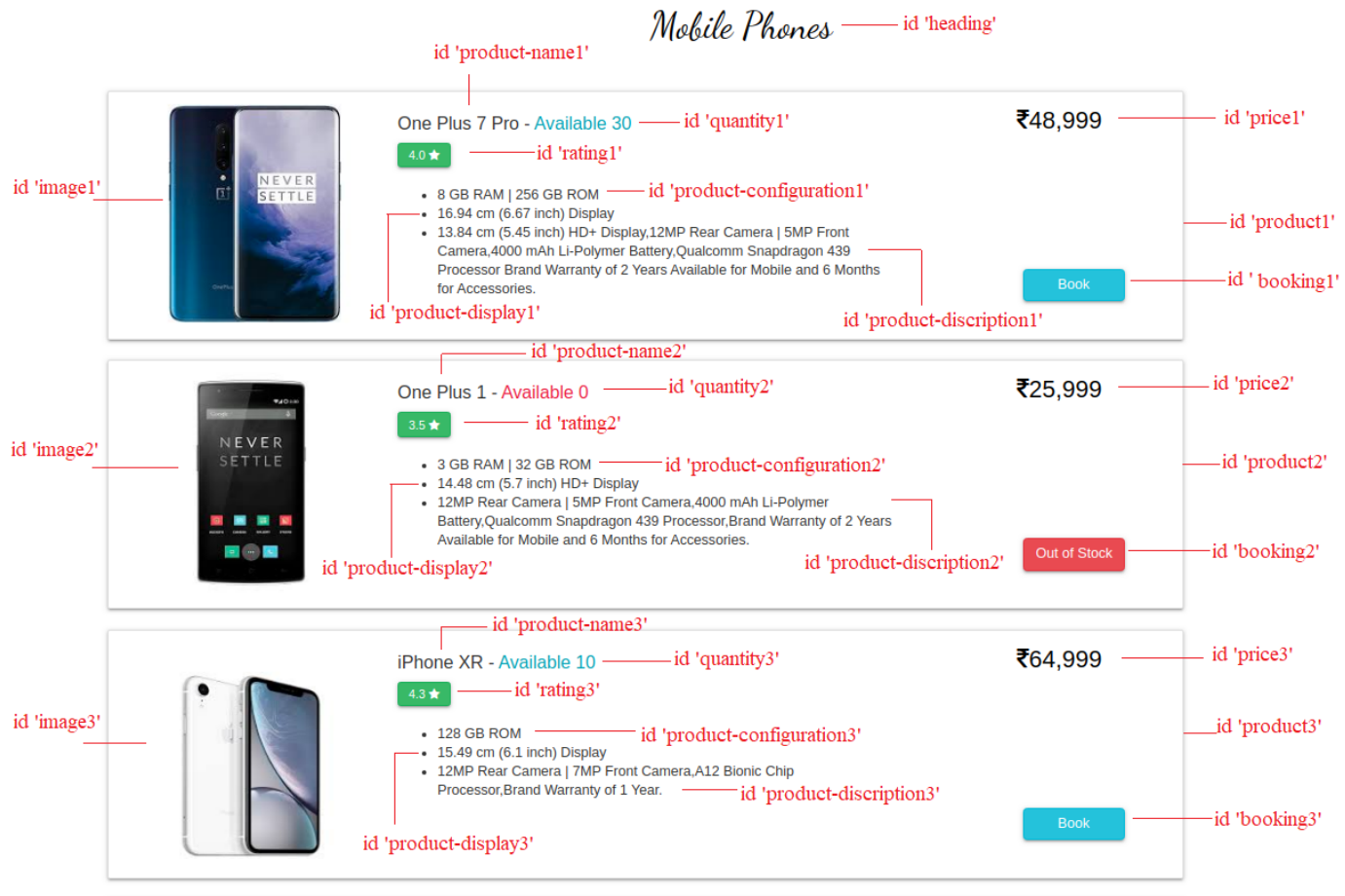
Create a web page to display the product name, product image, product rating, product configuration, product display, product description, and product price as shown in the screenshot.

Sample Screenshot 1:

Mobile Phones

	<p>One Plus 7 Pro - Available 30</p> <p>4.0 ★</p> <ul style="list-style-type: none">• 8 GB RAM 256 GB ROM• 16.94 cm (6.67 inch) Display• 13.84 cm (5.45 inch) HD+ Display, 12MP Rear Camera 5MP Front Camera, 4000 mAh Li-Polymer Battery, Qualcomm Snapdragon 439 Processor Brand Warranty of 2 Years Available for Mobile and 6 Months for Accessories. <p>Book</p>	₹48,999
	<p>One Plus 1 - Available 0</p> <p>3.5 ★</p> <ul style="list-style-type: none">• 3 GB RAM 32 GB ROM• 14.48 cm (5.7 inch) HD+ Display• 12MP Rear Camera 5MP Front Camera, 4000 mAh Li-Polymer Battery, Qualcomm Snapdragon 439 Processor, Brand Warranty of 2 Years Available for Mobile and 6 Months for Accessories. <p>Out of Stock</p>	₹25,999
	<p>iPhone XR - Available 10</p> <p>4.3 ★</p> <ul style="list-style-type: none">• 128 GB ROM• 15.49 cm (6.1 inch) Display• 12MP Rear Camera 7MP Front Camera, A12 Bionic Chip Processor, Brand Warranty of 1 Year. <p>Book</p>	₹64,999
	<p>Tizen - Available 5</p> <p>4.5 ★</p> <ul style="list-style-type: none">• 1 GB RAM 8 GB ROM Expandable Upto 128 GB• 12.7 cm (5 inch) HD Display• 8MP Rear Camera 5MP Front Camera, 2600 mAh Li-Ion Battery, 1 Year Manufacturer Warranty. <p>Book</p>	₹4,999

Sample Screenshot 2 :



Constraints :

Create a Mobile object array with the attributes **id,name,imageUrl,rating,configuration,display,description,stock and price**.

Populate every object value in the component and display it in HTML page using React Components **MobileList** which uses child component.

Display the mobile details as mentioned in the screenshots.

One click of the **Buy** button, mobile stock quantity should reduce and all the mobiles bought details should be displayed below in the page in bulleted list having **mobile id, name and price** along with the **total order value**.

Note: Do follow the UI constraints given in the screenshots. And use only hardcoded dummy data for mobiles, no use of database.