PROBLEM STATEMENT

Angular Assessment

Note: On clicking Execute button for the first time, In case you see any message like Compilation Error in Project/Result File Not Found , Click on 'Execute' again

Problem Description:

Floating Restaurant is a Front end (Angular) application which connects with Backend REST API service to automate the process of booking a buffet for their customers and view booking details.

Details of Backend REST API service (Implemented)-

- **Booking a Buffet** – This service books a buffet by sending POST request at */buffetBookings.* The customer gets assigned a booking Id. The booking JSON is sent in the request body.

  "Buffet booked with booking 1001"

- In case a buffet is already booked for the given date, below message is sent-

  "Buffet is already booked on this date!"

- **Returning details of a booking through id:** This service returns a JSON response containing details a particular booking id by sending GET request at */buffetBookings/<id>*

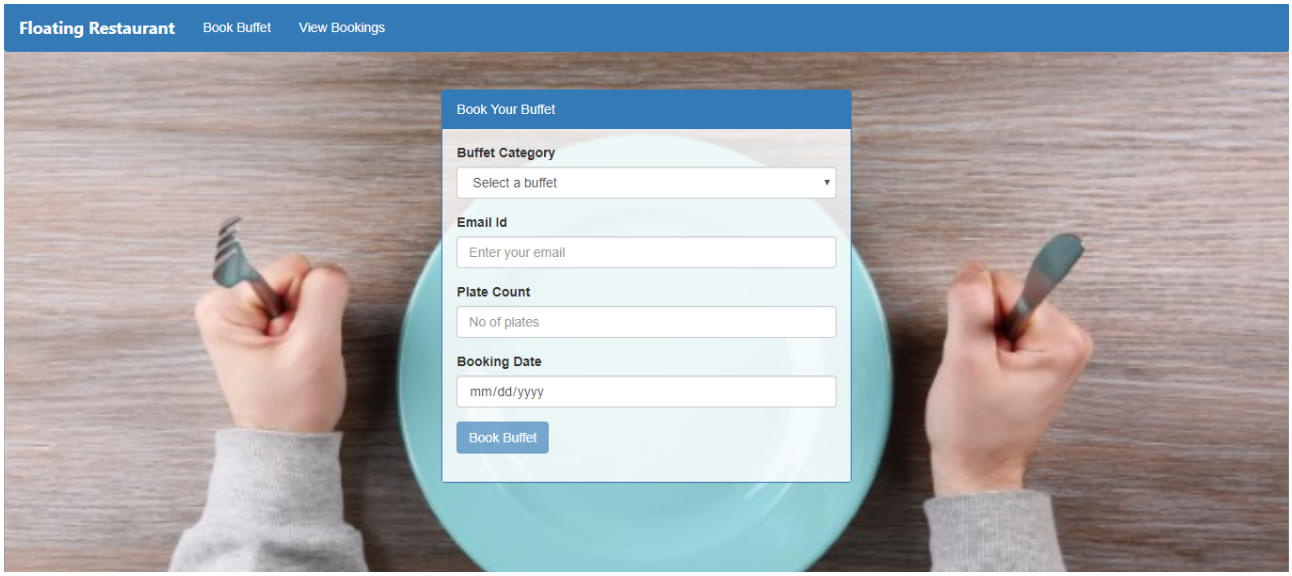
  Note: The value of '*bookedOn*' field is sent in the format - "*2018-10-09*" from the web service.

- In case booking id is not available, following response is sent

  "Reservation for booking Id: 10012 is not found!"

Details of Floating Restaurant Front end application

1. When **“http://localhost:4200”** is entered in browser following form should be displayed:



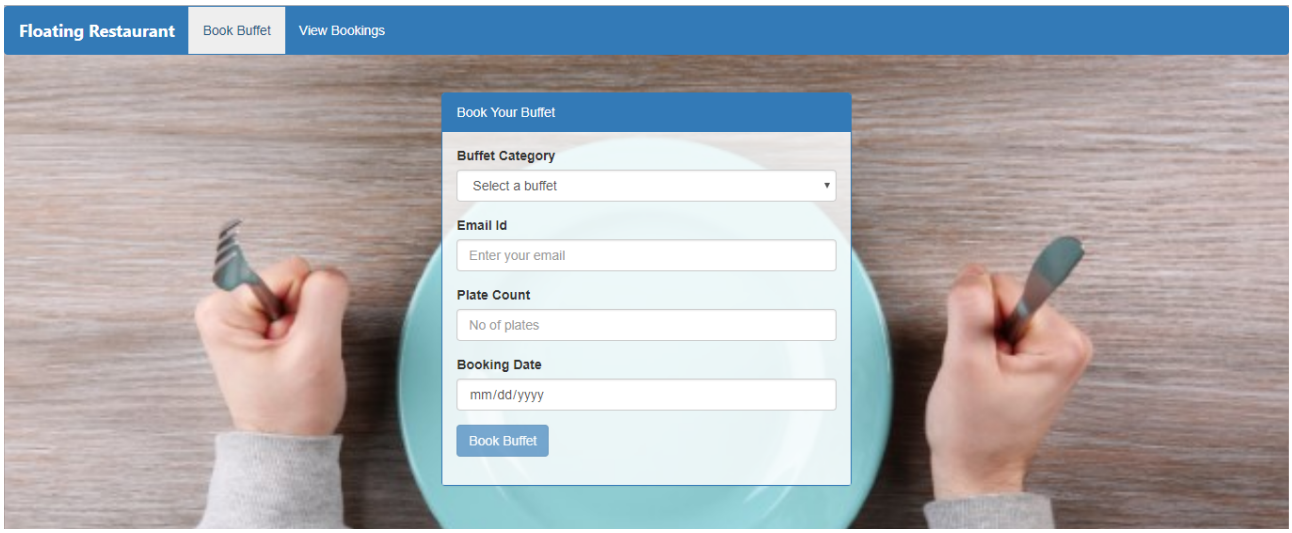
2. Populate the Buffet Name field with the following values.

Option	Value	Disabled
Select a buffet	<Empty string i.e ‘’>	Yes
South Indian Festival Special	SouthIndianFestivalSpecial	No
North Indian Festival Special	NorthIndianFestivalSpecial	No
Chinese Special	ChineseSpecial	No

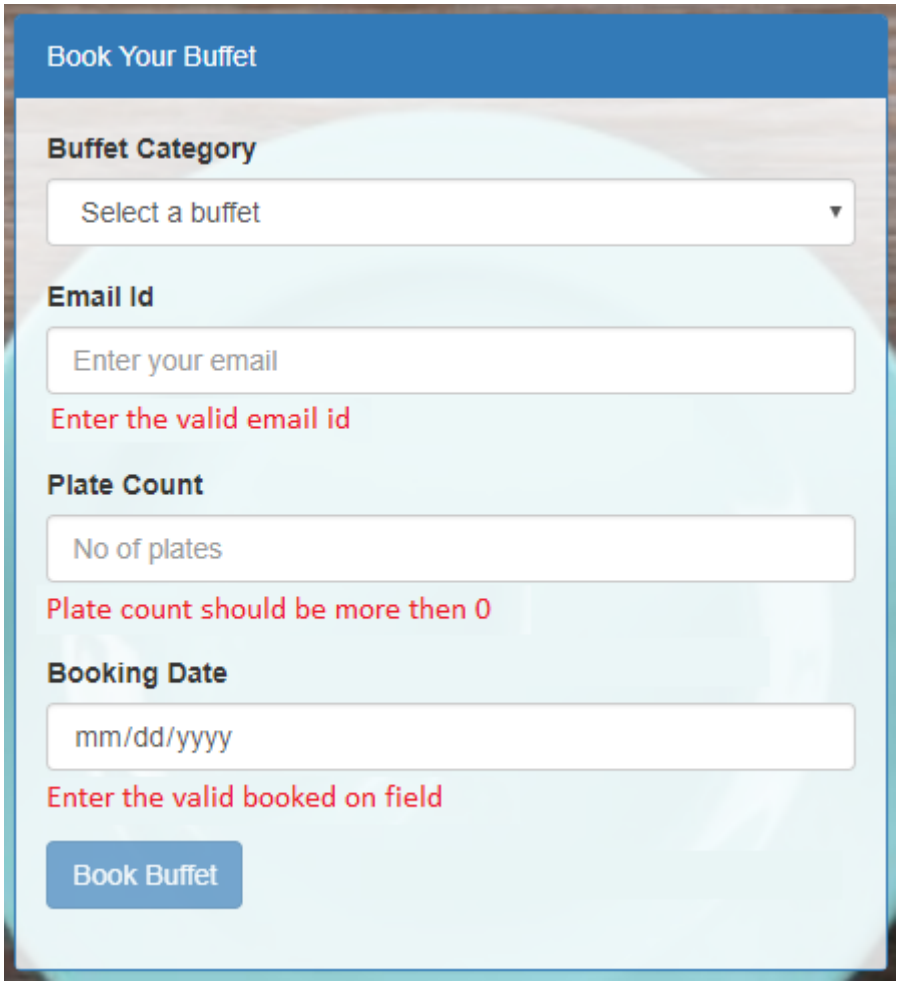
3. Add validations for form controls as below. Use field names as mentioned below and use validations inside a component only.

Field name	Validations Required
buffetName	Required validation
emailId	Required validation, Basic Email validation
plateCount	Required validation, Minimum 1
bookedOn	Required validation

4. When **Book a buffet** is clicked Buffet Reservation Page should be displayed as below:

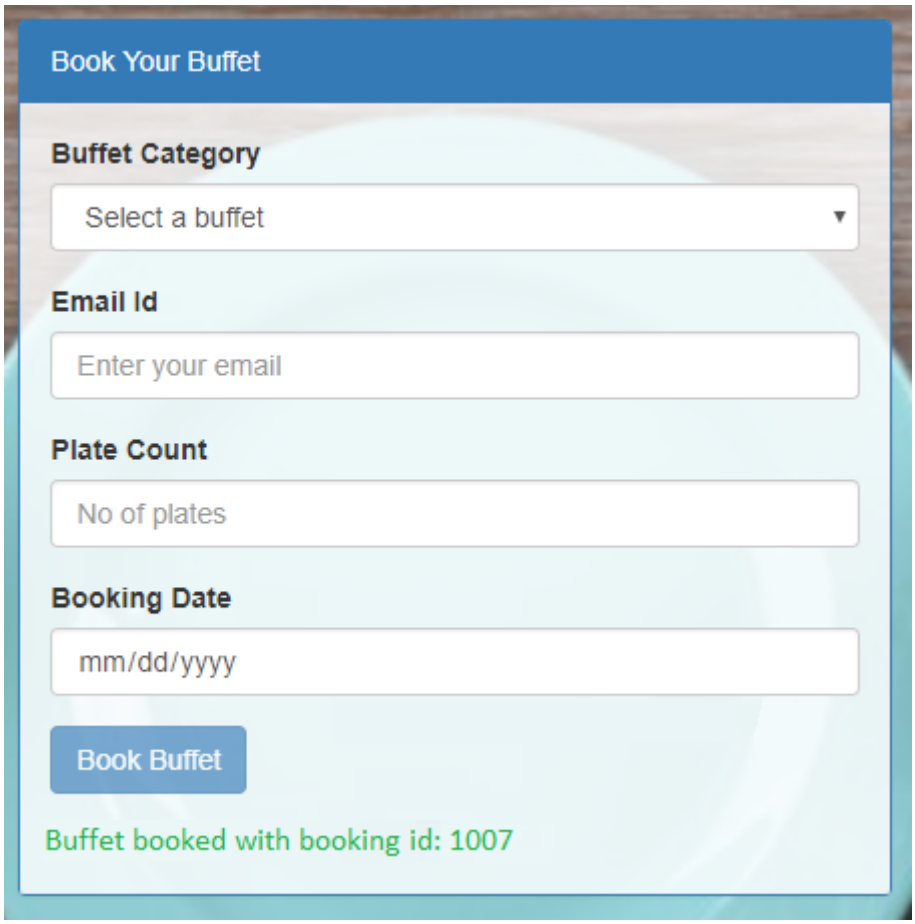


5. Validation messages should be rendered as below:

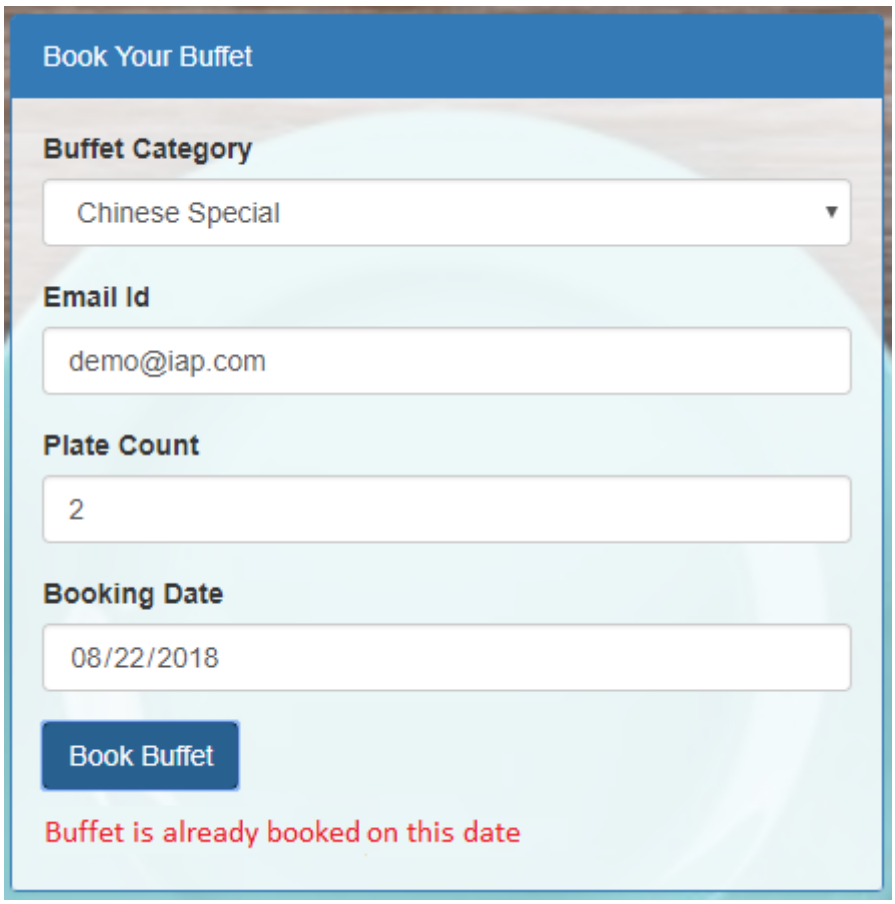


Note: Button should remain disabled until the form becomes valid

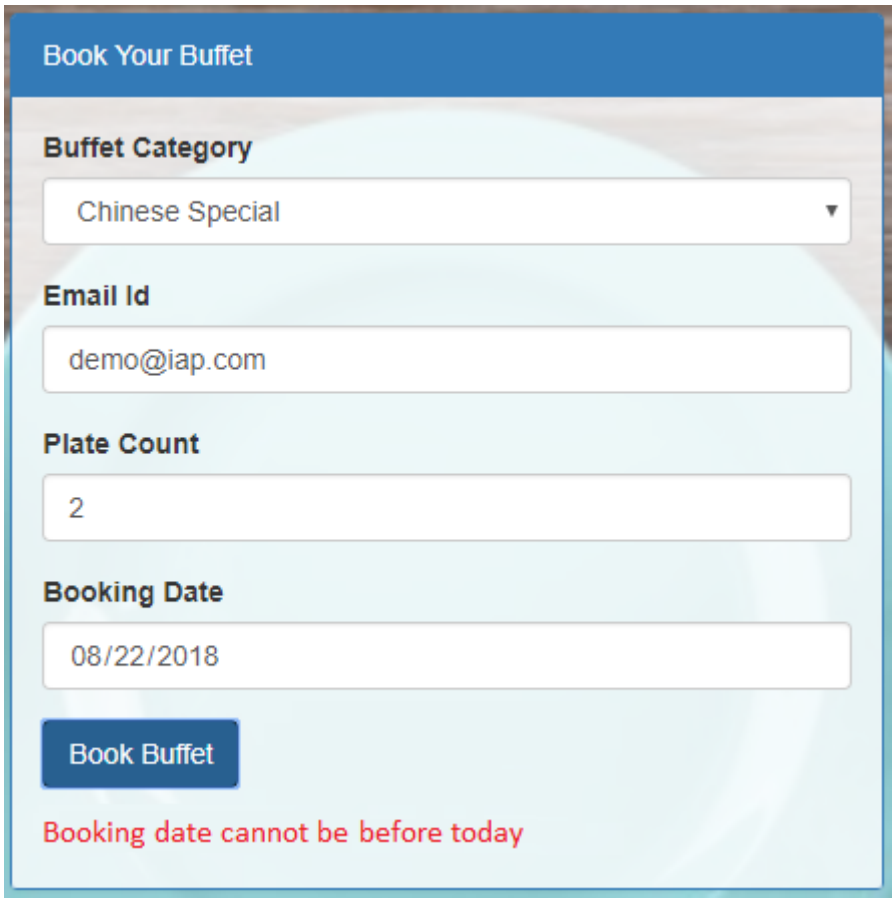
6. On successful execution, the success message should be displayed as shown below:



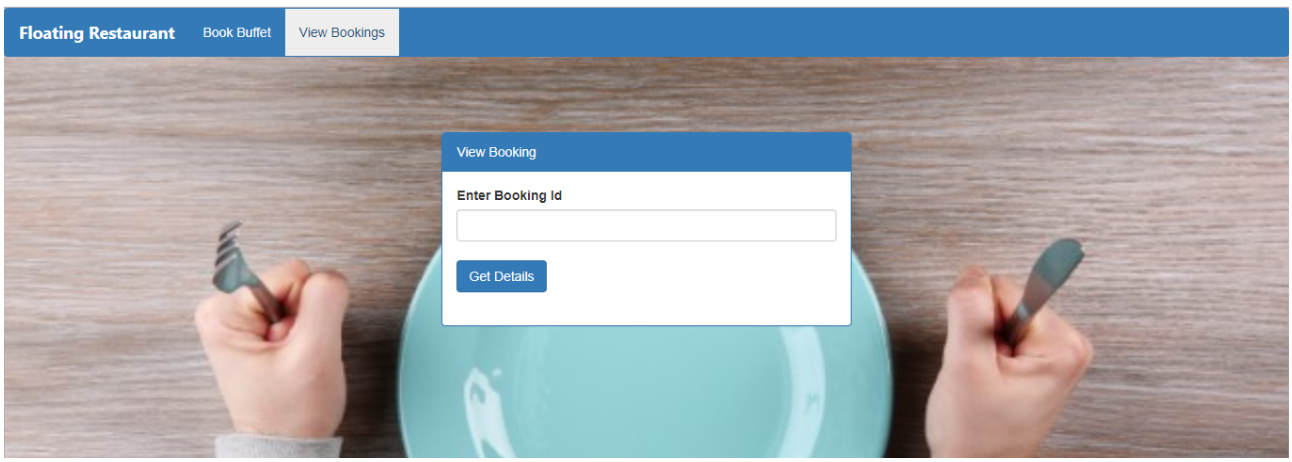
7. In case if you are trying to book the buffet for which it is already booked, the error message should be displayed as shown below:



8. In case of user entering the date which is past date, the error message should be displayed as shown below:

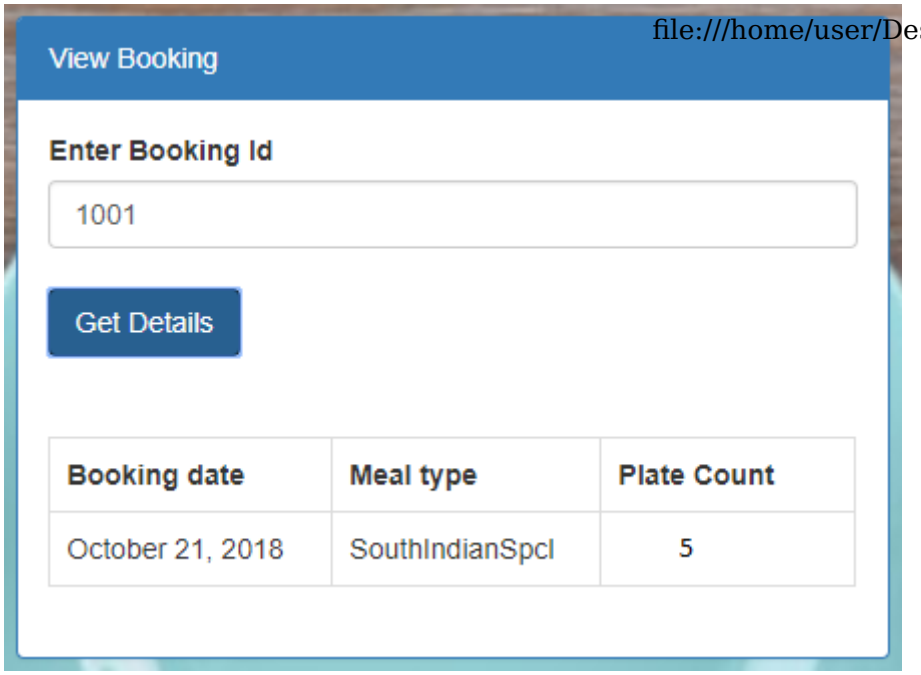


9. When **View Bookings** is clicked view should be displayed as shown below:



Note: DO NOT USE a form element to create the above component

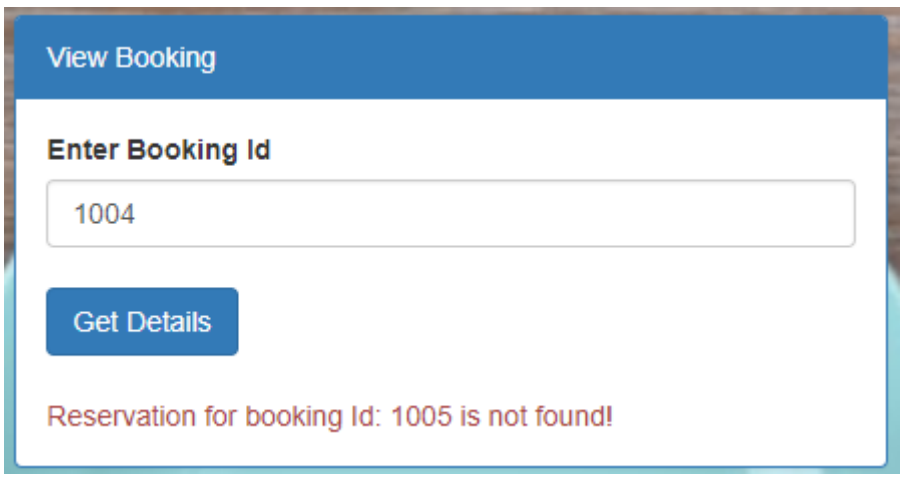
10. When user enters booking id and clicks on get details, details of that particular booking id should be shown as below:



11. Transform the

    - **Booking date field -** Render the date value in the format shown above.
    - **Plate count field -** If the **Plate Count** is greater than 5, it should be transformed as “more than 5 plates” else it should be “5 or less plates”

3. If entered booking Id doesn’t exist, it should display error as per given screenshot



4. If the correct booking Id is mentioned and if the “Get Details” button is clicked, then the error message (if any) must disappear and the appropriate details must be rendered.

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