

GRADING APPLICATION

IIHT

Time To Complete: 10 to 12 hr

CONTENTS

1	Problem Statement	3
2	Proposed Grading Application Wireframe	4
2.1	Welcome page	4
3	Business-Requirement:	5
4	Constraints	5
5	Mandatory Assessment Guidelines	6

1 PROBLEM STATEMENT

"Grading Application" is a Single Page Application (SPA) that empowers teachers to list out all students along with a record of all grades for all students. It also has the facility to update and delete any record also.

2 PROPOSED GRADING APPLICATION WIREFRAME

UI needs improvisation and modification as per given use case and to make test cases passed.

2.1 WELCOME PAGE

Grading Application
Student Grades

Add Student

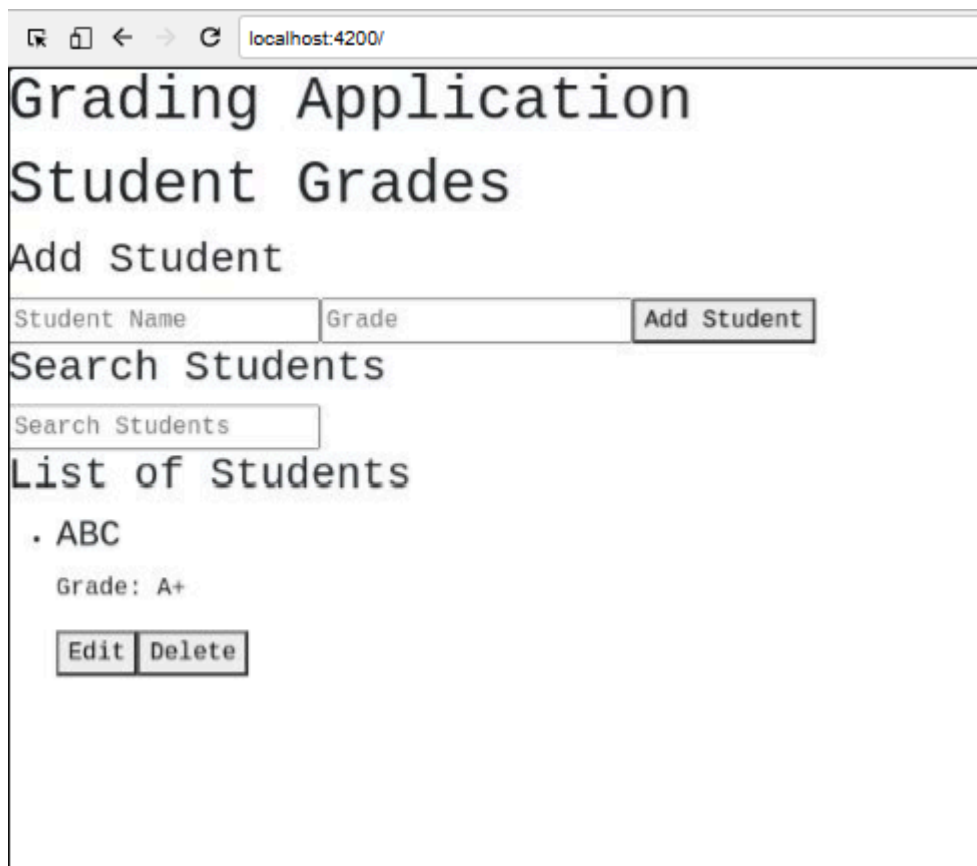
Student Name	Grade	Add Student
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Search Students

Search Students

List of Students

2.2 SCREENSHOTS



The screenshot shows a web browser window with the address bar displaying 'localhost:4200/'. The page content is as follows:

Grading Application

Student Grades

Add Student

Student Name	Grade	Add Student
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Search Students

Search Students

List of Students

. ABC		
Grade: A+		
<table border="1"><tr><td>Edit</td><td>Delete</td></tr></table>	Edit	Delete
Edit	Delete	

Grading Application

Student Grades

Add Student

Student Name Grade Add Student

Search Students

Search Students

List of Students

. ABC

Grade: A+

Edit Delete

Edit Student

ABC A+ Save Cancel

3 BUSINESS-REQUIREMENT:

As an application developer, develop the Grading Application (Single Page App) with below guidelines:

User Story #	User Story Name	User Story
US_01	Welcome Page	<p>As a user I should be able to visit the welcome page as default page.</p> <p>Acceptance criteria:</p> <ol style="list-style-type: none"> 1. Users can see the list of all students with grades. 2. Users should see the Edit and Delete button in each student to edit and delete it. 3. Users should be able to see the Add Student to add a new student. 4. There should be a textfield to search for any student also.

4 CONSTRAINTS

2. You should be able to press the "TAB" key and "SHIFT + TAB" to navigate from top field to bottom field and vice-versa.
3. By default the "Add Student" button should be disabled. Only after validating all fields can it be enabled.
4. By default the "Add Student" button should be disabled.

5 MANDATORY ASSESSMENT GUIDELINES

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 editor Auto Saves the code.
4. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
6. This is a web-based application, to run the application on a browser, use the internal browser in the workspace. Click on the second last option on the left panel of IDE, you can find Browser Preview, where you can launch the application.
Note: The application will not run in the local browser
7. 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 the <Ctrl> key while clicking on localhost:4200 to open the project in the browser -> takes 2 to 3 min.
 - c. `npm run jest` -> to run all test cases and check summary. takes 5 to 6 min.
 - d. `npm run test` -> to run all test cases. **It is mandatory to run this command before submission of workspace** -> takes 5 to 6 min.
8. Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on **"Submit Assessment"** after you are done with code.
9. 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.