

Web Site Name: Guess Grade (a.k.a. GG)

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Pages (5): Home, Insert Grade, View Grades, Ask Professor, Profile

Description:

This website is for viewing grades of every class member mainly, and has a grade calculator for CSE 316. We came up with this idea because there were some students who wanted to know the grades of the exams such as highest or lowest scores, average, median, and etc. We also decided to show the scores of assignments rather than just having only test grades on the chart.

This is letting everybody know what ranking they are in, so that they may be motivated, objectively judge their situation and use more time improving their abilities to have better grades in CSE 316.

We are planning to read data from the users by getting input of their grades, update the data when new assignments or exams are given to the students, and delete the data if the user wants.

Also, we will distinguish between the students and professor by their ID, or by email.

All mockups are changeable, more decorations would be included.

Lastly, there is public information such as average, median, etc. and private information such as the user's expected letter grade and rankings.

The mockup shows a web browser window with a dark blue header. The header contains a home icon, three menu items: 'Insert Grade', 'View Grades', and 'Ask Professor', and a user profile icon. The main content area has a light pink background. On the left, there is a description of the website and a list of course topics under 'About the course:'. On the right, there is a logo for 'Guess Grade' and a login section with input fields for 'School ID' and 'Password', and buttons for 'SIGN UP' and 'LOGIN'. At the bottom, a large black text says 'Welcome to CSE 316'.

Guess Grade is a web site for viewing grades of classmates, and calculating my temporary grade.

About the course:

- An introduction to systematic design, development and testing of software systems, including event-driven and Web programming, information management, software design and development fundamentals.
- The application of these skills to the construction of large robust programs.

Guess Grade

School ID:

Password:

Welcome to CSE 316

1. Homepage

This is our homepage, a main page at the same time. There would be a short description about the course and our website. The navigation bar would have 3 menus, home-icon, profile-icon. This page also gets an input of school ID and password to let the user login. After login, the input boxes change to welcome messages with a logout button.

Insert Grade View Grades Ask Professor

Assignment 1: /

Assignment 2: /

Assignment 3: /

Assignment 4: /

+

Midterm 1: /

Final: /

Group Project: /

Absent times

Attendance:

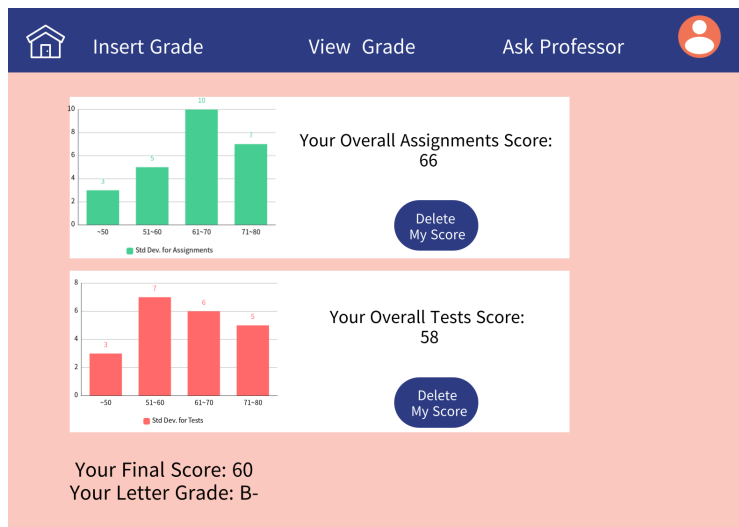
Confirm

2. Insert Grade page

To calculate the user's grade and to post them on the table at the “View Grades” page, we will get input from the user. The inputs will be assignment, exam, group project grades, and absent times of the class.

For the assignments, the user may increase the numbers by clicking on the Plus button.

If the user presses the confirm button, the information will suddenly be stored in the database. It is automatically added to the table at the “View Grades” page.



3. View Grade Page

For the Fourth page, we have two cards, which display graphs for the standard deviation for assignments and test scores. For the first card (Assignment card), display the user's assignment grades with a standard deviation graph. A delete button on it deletes the user's assignment grades and reflects it to the standard deviation graph. For the second card (Test card), display the user's test scores with a standard deviation graph. A delete button on it deletes the user's test scores and reflects it to the standard deviation graph. In the bottom of the page, display final score and letter

grade. If the user did not input one's assignment score, the user would be able to access only assignment grades, the same as exams too. Delete 하면 insert Grade 페이지로 이동

Ask Professor

Professor John Doe
Email: john.doe@example.com
Office: Room 415, Building A
Office Hour: Monday Tuesday Wednesday 3-5 PM

Enter your question here...

Submit

Questions:

- question 1 from sample 2
- question 2 from sample 2

4. Ask Professor Page

For the fourth page, display a card which displays Professor's info including a name, an email address, office location, and an office hour. Below the card, display an input text for askProfessor which will be stored in the server, by clicking the submit button. Below the input text, display a list of questions gathered from the server. The user can delete questions which he or she uploaded by clicking the 'x-mark' delete button next to his or her questions.

Home Insert Grade View Grade Ask Professor

Your ID: Your Password:

Display User ID here

Display User Password here

Change ID Change Password

5. My Profile Page (User Icon)

Display a user's id and password. A 'Change ID' button links to a modal which a user can insert a new id into an input text and save it to localStorage. A 'Change Password' button links to a

modal which a user can insert a new password into an input text and save it to localStorage. However, after we decide to use one of the school email or school ID as an account ID, we will disable the change ID button.

6. Sign up Page

Sign up 버튼 누르면 페이지로 이동하면서 이용약관 동의 하고, 기본 정보 체크박스 하고, id, password 입력, 완료 버튼 누르면 다시 홈페이지

Ferpa 약관 갖다놓고 동의 체크박스 하고 no 하면 가입 못하게

DB - SQL 이용해서

그래프를 하나를 그려서 체크박스를 만들어서 과제를 누르면 과제가 나오고 시험을 누르면 시험이 나오고 둘 다 누르면 둘 다 나온다

<Requirement>

Section 1: Home page

Req 1-1: Every page shall identically provide a navbar which lets the user access 5 menu (Insert Grade, View Grade, Ask professor, and User Info).

Req 1-2: The 2 input boxes on the right side shall get an input from the user for an e-mail address, and password.

Req 1-3: The home page shall let the user make an account by going to the sign up page.

Req 1-4: The home page shall let the user login if the user has already signed up.

Req 1-5: The home page shall let the user logout if the user has logged in.

Req 1-6: The home page shall provide information about the course, and brief explanation of the web site.

Section 2: Insert Grade page

Req 2-1: The insert grade page shall provide boxes to let the user input one's own scores out of the total score of assignments, midterm and final exams, group project, and attendance.

Req 2-2: The insert grade page shall provide a button to confirm the grades and send the scores into the server for calculation.

Section 3: View grade page

Req 3-1: The view grade page shall display four cards.

Req 3-2: The first card shall display a chart of the standard deviation for the scores of the final exam.

Req 3-3: The second card shall display a chart of the standard deviation for the scores of the midterm exam.

Req 3-4: The third card shall display a chart of the standard deviation for the scores of the group project.

Req 3-5: The fourth card shall display a chart of the standard deviation for the scores of the assignments.

Req 3-6: Below four cards, the page displays the user's final score, final score in percentage, and anticipated letter grade.

Section 4: Ask professor page

Req 4-1: The ask professor page shall display a card with information about the course instructor.

Req 4-2: The card shall display a professor's picture on its left side.

Req 4-3: The card shall display the name, email, office location, and office hour of the professor.

Req 4-4: The ask professor page shall display a text input box which lets the user upload questions to the professor below the professor info card.

Req 4-5: The ask professor page shall display a submit button on the right of the text input box, and the clicking of the button shall save the user's text and display it to the question lists.

Req 4-6: The ask professor page shall display lists of questions below the text input box.

Req 4-7: The ask professor page shall display an 'x-mark' button next to each question.

Section 5: User Info page

Req 5-1: The user info page shall display the user's information.

Req 5-2: The page shall display the user's profile image.

Req 5-3: The page shall display a "Change Image" button below the user's profile image, which links to a pop-up.

Req 5-4: The pop-up shall display the image input box and submit button.

Req 5-5: The page shall display the user's email address.

Req 5-6: The page shall display a "Change Password" button below the email address, which links to a pop-up.

Req 5-7: The pop-up shall display the old and new password input box and submit button.

Req 5-8: The page shall display the user's name.

Req 5-9: The page shall display a "Change Name" button below the user's name, which links to a pop-up.

Req 5-10: The pop-up shall display the text input box and submit button.

Section 6: Sign up page

Req 6-1: The sign up page shall display input boxes for the user's email address, password, password check, user name.

Req 6-2: The page shall display a dropdown menu for the user's academic year.

Req 6-3: The page shall display the FERPA Rules Agreement button which links to a pop-up with FERPA Rules.

Req 6-4: The page shall display a checkbox in order to conduct the user's agreement.

Req 6-5: The page shall display a 'Sign up' button.

<Test Plan>

Section 1: Home page

- **Test 1-1:** Verify navbar presence
 - **Requirements covered:** 1-1
 - **Description:** This test demonstrates the navigation functionality of the navbar to the home page and other pages to check for the navbar with 5 menu options.
 - **Actions:**
 - Step 1: Click 'Home Icon' menu on navbar
 - Step 2: Click 'Insert Grade' menu on navbar
 - Step 3: Click 'View Grades' menu on navbar
 - Step 4: Click 'Ask professor' menu on navbar
 - Step 5: Click 'User Info' menu on navbar
 - **Observed Results:**
 - Step 1: Verify it goes to 'Home Icon' page
 - Step 2: Verify it goes to 'Insert Grade' page
 - Step 3: Verify it goes to 'View Grades' page
 - Step 4: Verify it goes to 'Ask professor' page
 - Step 5: Verify it goes to 'User Info' page

- **Test 1-2:** Test account creation
 - **Requirements covered:** 1-4
 - **Description:** This test demonstrates the account creation by entering values into the ID and password fields on the home page, and navigating to the sign-up page.
 - **Actions:**
 - Step 1: Click the 'Sign up' button below the input field boxes.
 - Step 2: Show and Check the FERPA Rules agreement text.
 - Step 3: Type the e-mail address, password and check the checkbox.
 - Step 4: Click on the confirmation button.
 - **Observed Results:**
 - Step 1: Verify the button directs the user to the sign up page.
 - Step 2: Check the checkbox of the FERPA Rules agreement.
 - Step 3: no Observed Results
 - Step 4: Verify whether the form accepts the proper type of inputs.

- **Test 1-3:** Test login functionality
 - **Requirements covered:** 1-2, 1-3

- **Description:** This test demonstrates the account login by entering existing account credentials and clicking the login button.
 - **Actions:**
 - Step 1: Type the ID and password in the input field boxes at the home page.
 - Step 2: Click the 'Sign in' button below the input field boxes.
 - **Observed Results:**
 - Step 1: no verification needed.
 - Step 2: Verify it accepts the right ID with password.
 - If it is not, alert the user the incorrect account
 - If it is, direct the user to the logged in home page.
- **Test 1-4:** Verify logout functionality
 - **Requirements covered:** 1-5
 - **Description:** This test demonstrates the functionality of the log out button. After logging in, click the logout button.
 - **Actions:**
 - Step 1: Click the 'Sign out' button at the left side of the home page.
 - **Observed Results:**
 - Step 1: Verify whether the page directs the user to the logged-out home page.
- **Test 1-5:** Verify course information display
 - **Requirements covered:** 1-6
 - **Description:** This test demonstrates the presence of contents at the home page and checks for the information section.
 - **Actions:**
 - Step 1: Click the 'Home Icon' menu on the navbar which links to the home page.
 - **Observed Results:**
 - Step 1: Verify there is displayed course information and a brief explanation about the website.

Section 2: Insert Grade page

- **Test 2-1:** Verify input fields for grades, attendance

- **Requirements covered:** 2-1
 - **Description:** This test demonstrates whether the page accepts entered values into the input boxes for assignments, exams, project and attendance.
 - **Actions:**
 - Step 1: Type the user's scores of every assignment, exam, project and attendance.
 - **Observed Results:**
 - Step 1: no verification needed.
- **Test 2-2:** Verify confirmation button functionality
 - **Requirements covered:** 2-2
 - **Description:** This test demonstrates the functionality of entering scores and clicking the confirm button.
 - **Actions:**
 - Step 1: Press the confirm button before input all scores.
 - Step 2: Press the confirm button after input all scores.
 - **Observed Results:**
 - Step 1: "Please fill out all input fields before confirming." pop-up appears.
 - Step 2: Verify the button directs the user to the 'View Grades' page automatically.

Section 3: View Grades page

- **Test 3-1:** Verify the page display of four cards with a chart of standard deviation.
 - **Requirements covered:** 3-1, 3-2, 3-3, 3-4, 3-5
 - **Description:** Navigate to the View Grades page. Four cards are displayed.
 - **Actions:**
 - Step 1: Click the 'View Grades' menu on the navbar.
 - Step 2: - (no action needed)
 - Step 3: - (no action needed)
 - Step 4: - (no action needed)
 - Step 5: - (no action needed)
 - Step 6: - (no action needed)
 - **Observed Results:**
 - Step 1: Verify it goes to 'View Grades' menu page
 - Step 2: Verify four cards appear.
 - Step 3: Verify the first card displays Std. dev graph of final exam.
 - Step 4: Verify the second card displays Std. dev chart of midterm.

- Step 5: Verify the third card displays Std. dev chart of group project.
 - Step 6: Verify the fourth card displays Std. dev graph of assignments.
- **Test 3-2:** Verify the page displays the summary of the user's scores.
 - **Requirements covered:** 3-6
 - **Description:** Check the bottom of the page. The final score, final percentage score and anticipated letter grade are displayed.
 - **Actions:**
 - Step 1: - (no action needed)
 - Step 2: - (no action needed)
 - **Observed Results:**
 - Step 1: Verify the page displays the user's final score and final percentage score below the four cards.
 - Step 2: Verify the page displays the user's anticipated letter grade below the four cards.

Section 4: Ask professor page

- **Test 4-1:** Verify professor information card display
 - **Requirements covered:** 4-1, 4-2, 4-3
 - **Description:** Navigate to the Ask professor page. The card with professor information is displayed.
 - **Actions:**
 - Step 1: Click 'Ask professor' menu on navbar
 - Step 2: - (no action needed)
 - **Observed Results:**
 - Step 1: Verify it goes to 'Ask professor' menu page
 - Step 2: Verify a card with professor's information appears
- **Test 4-2:** Verify question submission
 - **Requirements covered:** 4-4, 4-5, 4-6
 - **Description:** Enter a question and click the submit button. The question is saved and appears in the question list.
 - **Actions:**
 - Step 1: Enter a question to the text input box.
 - Step 2: Click the submit button.
 - **Observed Results:**
 - Step 1: Verify the text appear well and be submitted well

- Step 2: Verify the user's text appears in the question list.
- **Test 4-3: Verify question deletion**
 - **Requirements covered:** 4-7
 - **Description:** Click the 'x-mark' button next to the question text in the question list. The question is deleted and disappears in the question list. A pop up appears which notifies the user that the question has been deleted.
 - **Actions:**
 - Step 1: Click an 'x-mark' button next to the question text.
 - **Observed Results:**
 - Step 1: Verify the pop-up appears which notifies the user that the question has been deleted.
 - Step 2: Verify the deleted question disappears from the question list.

Section 5: User Info page

- **Test 5-1: Verify the user information and change buttons displayed**
 - **Requirements covered:** 5-1, 5-2, 5-3, 5-5, 5-6, 5-8, 5-9
 - **Description:** Go to the My profile page. The page shall display the user's email address, password, name and buttons to change image, password, and name.
 - **Actions:**
 - Step 1: Click 'my profile' menu on navbar
 - Step 2: - (no action needed)
 - Step 3: - (no action needed)
 - **Observed Results:**
 - Step 1: Verify it goes to 'my profile' menu page.
 - Step 2: Verify the page displays email address, name, image of the user.
 - Step 3: Verify the page displays the "Change Image", "Change Password", and "Change Name" buttons.
- **Test 5-2: Verify pop-up for changing Image**
 - **Requirements covered:** 5-4, 5-7, 5-10

- **Description:** Click on the “Change Image” button. The pop-up opens with an image input box and a submit button.
- **Actions:**
 - Step 1: Click the “Change Image” button.
 - Step 2: Select Image and click the submit button.
 - Step 3: Click the close button.
 - Step 4: Click the “Change Password” button
 - Step 5: Type old and new password into text input boxes and click the submit button.
 - Step 6: Click the close button.
 - Step 7: Click the “Change Name” button.
 - Step 8: Type new name and click the submit button.
 - Step 9: Click the close button.
- **Observed Results:**
 - Step 1: Verify a pop-up opens with an image input box and submit button.
 - Step 2: Verify the submission success alert is popped.
 - Step 3: Verify the pop-up is closed.
 - Step 4: Verify a pop-up opens with an old and new password input box and submit button.
 - Step 5: Verify the submission success alert is popped.
 - Step 6: Verify the pop-up is closed.
 - Step 7: Verify a pop-up opens with a text input box and submit button.
 - Step 8: Verify the submission success alert is popped.
 - Step 9: Verify the pop-up is closed.

Section 6: Sign up page

- **Test 6-1:** Verify the text input box for sign-up works.
 - **Requirements covered:** 6-1
 - **Description:** Text input boxes test.
 - **Actions:**
 - Step 1: Input email address into email input box.
 - Step 2: Input password into password and password check input box.
 - Step 3: Type username into username input box.
 - **Observed Results:**
 - Step 1: -
 - Step 2: pop-up if password and password check do not match.
 - Step 3: -

- **Test 6-2:** Verify a dropdown menu for the user's academic year works.
 - **Requirements Covered:** 6-2
 - **Description:** dropdown menu test.
 - **Action:**
 - Step 1: Click the dropdown menu.
 - Step 2: Click each academic year.
 - **Observed Results:**
 - Step 1: Verify the four academic years appear (Freshman, Sophomore, Junior, and Senior).
 - Step 2: Verify each academic year option selected.

- **Test 6-3:** The FERPA Rule pop-up button
 - **Requirements Covered:** 6-3
 - **Description:** The FERPA Rules pop-up appears.
 - **Action:**
 - Step 1: Click the 'FERPA Rules Agreement' button.
 - Step 2: Click the close button.
 - **Observed Results:**
 - Step 1: verify a pop-up with FERPA Rules on it appears.
 - Step 2: Verify the pop-up closed.

- **Test 6-4:** Agreement checkbox test.
 - **Requirements Covered:** 6-4
 - **Description:** The FERPA Rules checkbox test.
 - **Action:**
 - Step 1: Click the checkbox.
 - **Observed Results:**
 - Step 1: Verify the checkbox is checked if clicked.

- **Test 6-5:** Submit button test.
 - **Requirements Covered:** 6-5
 - **Description:** Click the Submit button and the submission success message pops up. If all required fields are not filled, block the signing up and pop up a warning message.

- **Action:**
 - Step 1: Not fill all the fields and click the submit button.
 - Step 2: Fill all the fields and click the submit button.
- **Observed Results:**
 - Step 2: A warning message pops up and submission fails.
 - Step 2: A success message pops up and submission succeeds.