Test Plan

Team 3

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Project Subsections

* Sign up System
* Log in System
* Front Page Ranking System
* Searching System
* Reviewing System
* Question System
* Review Rating System
* Dev requests/contact devs System
* User Settings System (change password)

Critical Tests - 28

Important Tests -27

Workaround Tests - 19

**Sign-up System**

Sign Up 001

Description: Sign Up Button Click

Severity: Critical

Instructions:

1. Click “Sign Up” button

Results:

1. A new page is loaded that asks for a valid purdue email, password, password confirmation

Sign Up 002

Description: Sign Up Successful

Severity: Critical

Instructions:

1. Navigate to the “Sign Up” page
2. On Sign Up page fill out email and password with appropriate responses.
3. Press the “Submit” button

Results:

1. When the user clicks “Submit”, a “please check your email for confirmation” dialog is displayed.

Sign Up 003

Description: Sign Up Unsuccessful because of email

Severity: Important

Instructions:

1. Navigate to the “Sign Up” page
2. Fill out email field without a purdue domain email (@purdue.edu)
3. Click “Submit” button on signup page

Results:

1. The page will be reloaded with an “invalid email” message

Sign Up 004

Description: Sign Up Unsuccessful because of password length

Severity: Important

Instructions:

1. Navigate to the “Sign Up” page
2. Fill out password field without a password with a length of 8 or longer
3. Click “Submit button on signup page”

Results:

1. The page will be reloaded with an password length not long enough error

**Login System**

Login 001

Description: Login Button Click

Severity: Critical

Instructions:

1. Click “Login” button on home page

Results:

1. The page is reloaded with a Login page that asks for your purdue email and password

Login 002

Description: Login Successful

Severity: Critical

Instructions:

1. Navigate to “Login” page
2. Fill out the email and password fields with valid information
3. Click “Submit”

Results:

1. The home page will load with the new features such as change password and top rated courses

Login 003

Description: Login Unsuccessful

Severity: Important

Instructions:

1. Navigate to “Login” page
2. Fill out the email and/or password field with invalid information
3. Click “Submit”

Results:

1. The page is reloaded with an error message and the fields that were incorrectly filled out are highlighted

Login 004

Description: Password Forgotten

Severity: Important

Instructions:

1. Navigate to “Login” page
2. Click “Forgot password?” button
3. Enter in the user’s email address
4. In the user’s email go to the link that was sent
5. Update password with a new valid one

Results:

1. The user’s password is changed and they can log in

Login 005

Description: Password Forgotten with non @purdue.edu email

Severity: Important

Instructions:

1. Navigate to “Login” page
2. Fill out the email without purdue.edu domain (Ex: abc@123.com)
3. Click “Submit”

Results:

1. Display that email should be a “purdue.edu” domain

**Front Page Ranking System**

Front Page Ranking 001

Description: Home Page Screen

Severity: Critical

Instructions:

1. User types in home page url in internet search bar

Results:

1. The homepage loads

Front Page Ranking 002

Description: Highest Rated Courses

Severity: Workaround

Instructions:

1. Navigate to homepage
2. View the list of the top overall classes

Results:

1. The homepage displays the correct top 10 overall rated courses

Front Page Ranking 003

Description: Links to highest rated courses

Severity: Workaround

Instructions:

1. User is able to click on one of the highest rated courses on the home page

Results:

1. The page redirects to the course’s review page

**Searching System**

Searching 001

Description: Search Box Typing

Severity: Workaround

Instructions:

1. User starts typing in the search box

Results:

1. A drop down loads with class suggestions

Searching 002

Description: Search Button Click

Severity: Critical

Instructions:

1. Click search button after choosing a suggestion from the drop down

Results:

1. The search results page will load with classes that match or are similar to the one searched

Searching 003

Description: Search Results for Department

Severity: Important

Instructions:

1. Search for a department abbreviation (Ex: “CS”,”ME”,”SOC”, etc.)

Results:

1. The search results page will load with classes from the department searched

Searching 004

Description: Search Results for Class

Severity: Critical

Instructions:

1. Search for a class (Ex: “CS408”, “Programming in C”, “EAPS375”, “Software Testing”, etc.)

Results:

1. The search results page will load with the link to the searched class review page at the top of the results with other related computer science classes following it, sorted by ranking.

Searching 005

Description: Search Results for Nothing

Severity: Workaround

Instructions:

1. Search for “”

Results:

1. The search results page will load with text that says “No results”

Searching 006

Description: Search Results for Non-Existent Class

Severity: Important

Instructions:

1. Search for a non-existing class (Ex: “CS90”, “SOC700”, “EAPS000”, etc.)

Results:

1. The search results page will load with related classes to the searched class.

**Review System**

Review 001

Description: Submitting a review

Severity: Critical

Instructions:

1. Ensure the user is logged in
2. Navigate to a course page
3. The user types information into each field of a review including professors, TA’s, hours spent on class work, and textbook requirement.
4. The user then clicks submit

Results:

1. The review is posted to the site with a publish date

Review 002

Description: Trying to submit a review when not logged in

Severity: Critical

Instructions:

1. Ensure the user is not logged in
2. Navigate to a course page
3. The user tries to type information in the review fields

Results:

1. The fields are faded out and not clickable/editable

Review 003

Description: Trying to modify course description when not logged in

Severity: Important

Instructions:

1. Ensure the user is not logged in
2. Navigate to a course page
3. The user tries to type information in the course description field

Results:

1. The field is not clickable

Review 004

Description: Trying to modify course description while logged in

Severity: Important

Instructions:

1. Ensure the user is logged in
2. Navigate to a course page
3. The user types additional information or modifies the current information in the course description field
4. The user clicks submit

Results:

1. The field is updated to reflect the changes the user made

Review 005

Description: Time Stamping Reviews

Severity: Workaround

Instructions:

1. User navigates to a course review page and clicks write a review
2. User fills out review form
3. User clicks submit review

Results:

1. The review is displayed on the course’s review page with the correct date of the review posted

Review 006

Description: Setting the stars for difficulty, workload, fairness of grade received

Severity: Critical

Instructions:

1. User navigates to a course review page and clicks write a review
2. Users fills out review form with stars selected
3. User submits the review with the ratings

Results:

1. The ratings are for that specific review will match what the user selected on the review form

Review 007

Description: Averaging Star Ratings

Severity: Important

Instructions:

1. User navigates to a course review page and clicks write a review
2. User fills out review form with stars selected for each sub category
3. User clicks the submit review button

Results:

1. The overall reviews for each category on the course page gets updated with new averages

Review 008

Description: Checking average grade received

Severity: Important

Instructions:

1. User navigates to a course review page and clicks write a review
2. User fills out review form with their grade (choose from range F-A+)
3. User clicks submit review
4. This happens 5-7 times

Results:

1. The average grade received by all the students is updated and displayed on the course page each time a new review is written

Review 009

Description: Uploading Syllabus

Severity:Important

Instructions:

1. User navigates to a course review page and clicks write a review
2. User clicks on upload syllabus
3. User selects a .pdf, .docx, or image types (.img, .jpeg, .png, etc.)
4. User clicks ok on the file they choose
5. The file is now ready to be uploaded and the user can click submit review

Results:

1. The syllabus is now downloadable on the review that was posted

Review 010

Description: Uploading Invalid File Type

Severity: Critical

Instructions:

1. User navigates to a course review page and clicks write a review
2. User clicks on upload syllabus
3. User selects a file that is not .pdf, .docx, or image types (.img, .jpeg, .png, etc.)
4. User clicks ok on the file they choose
5. User clicks submit review

Results:

1. The syllabus is not uploaded, and an error message says invalid file type

Review 011

Description: Downloading the syllabus

Severity: Important

Instructions:

1. User navigates to a course review page
2. User scrolls through reviews
3. User finds a review with an uploaded syllabus
4. User clicks on the link to download the syllabus

Results:

1. The syllabus is downloaded and is openable

**Question System**

Question 001

Description: Asking a Question about a class

Severity: Important

Instructions:

1. Navigate to a course’s review page
2. In the “Ask a Question” field write a question about the class.
3. Press submit to add the question to the list

Results:

1. On the page refresh the question is added to the questions list for the class.
2. There is a reply field below the question

Question 002

Description: Answering a question

Severity: Important

Instructions:

1. Navigate to a course’s review page
2. Click on the response field and add your response
3. Click on the submit button and submit the response

Results:

1. The webpage reloads and the answer is displayed under the question

Question 003

Description: Trying to submit an empty answer

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. Click on the response field but type nothing
3. Click the submit button

Results:

1. Nothing happens because the submit button is grayed out

Question 004

Description: Trying to submit an empty question

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. Click on the ask question field but type nothing
3. Click the ask question button

Results:

1. Nothing happens because the ask question button is grayed out

Question 005

Description: Upvoting an answer

Severity: Important

Instructions:

1. Navigate to a course’s review page
2. Click the upvote on an answer

Results:

1. The graphic lights up for an upvote
2. The counter is incremented

Question 006

Description: Downvoting an Answer

Severity: Important

Instructions:

1. Navigate to a course’s review page
2. Click downvote on an answer

Results:

1. The graphic lights up for a downvote
2. The counter is decremented

**Review Rating System**

Review Rating 001

Description: Inappropriate Flag

Severity: Critical

Instructions:

1. Navigate to a course’s review page
2. User clicks the inappropriate flag on a review that has inappropriate content

Results:

1. A popup with a confirm or cancel option appears

Review Rating 002

Description: Inappropriate Flag Cancel

Severity: Critical

Instructions:

1. Navigate to a course’s review page
2. User clicks the inappropriate flag on a review that has inappropriate content
3. User clicks cancel on the inappropriate flag popup

Results:

1. User is taken back to the page with reviews

Review Rating 003

Description: Inappropriate Flag Confirm

Severity: Critical

Instructions:

1. Navigate to a course’s review page
2. User clicks the inappropriate flag on a review that has inappropriate content
3. User clicks confirm on the inappropriate flag popup

Results:

1. A counter is incremented on that review
2. Once the counter reaches 3, the review will be hidden
3. The review is then sent to an admin for review

Review Rating 004

Description: Inappropriate Flag Admin Page

Severity: Important

1. An admin clicks the “Flagged Reviews” page button

Results:

1. The admin is taken to a page with the reviews that were flagged as inappropriate listed

Review Rating 005

Description: Inappropriate Flag Admin Confirm

Severity: Important

Instructions:

1. Admin navigates to the admin “Flagged Reviews” page
2. Admin confirms review is inappropriate by pressing on the confirm button

Results:

1. The review is permanently deleted from the site

Review Rating 006

Description: Inappropriate Flag Admin Reject

Severity: Important

Instructions:

1. Admin navigates to the admin “Flagged Reviews” page
2. Admin rejects review as being inappropriate by pressing the reject button

Results:

1. The review is made visible again to all users on appropriate review page
2. The review is removed from the “Flagged Reviews” page
3. The review’s flags are reset to 0

Review Rating 007

Description: Helpful Button

Severity: Important

Instructions:

1. Navigate to a course’s review page
2. User clicks “yes” button next to the “Was this review helpful?” prompt for a review

Results:

1. A counter for that review’s helpfulness is increased
2. The button changes color to show it was clicked

Review Rating 008

Description: Not Helpful Button

Severity: Critical

Instructions:

1. Navigate to a course’s review page
2. User clicks “no” button next to the “Was this review helpful?”prompt for a review

Results:

1. A counter for that review’s helpfulness is decreased
2. The button changes color to show it was clicked

Review Rating 009

Description: Funny Button

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. User clicks the “Funny” button next to the review

Results:

1. A counter for that review’s funniness is increased
2. The “Funny” button changes color to show it was clicked

Review Rating 010

Description: Viewing reviews for a class

Severity: Critical

Instructions:

1. The user clicks on the review page for a class

Results:

1. The most recently written review for a class shows up at the top, and the rest of the reviews are listed from most recent to least recent.

Review Rating 011

Description: Review Rating User Not Logged In

Severity: Important

Instructions:

1. Navigate to a course’s review page
2. A user that’s not logged in clicks on “Yes” or “No” next to the “Was this review helpful?” or the “Funny” button.

Results:

1. The user is taken to the login page.

Review Rating 012

Description: Helpful then Not Helpful

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. User clicks “Yes” next to the “Was this review helpful?” prompt for a review
3. Then the user clicks no next to the “Was this review helpful?” prompt for a review

Results:

1. The helpful counter increases
2. Then the helpful counter is decremented twice to compensate
3. “No” will be a different color as it was the last option selected

Review Rating 013

Description: Helpful Clicked Twice

Severity: Critical

Instructions:

1. Navigate to a course’s review page
2. User clicks “Yes” next to the “Was this review helpful?” prompt for a review a second time

Results:

1. The helpful counter is decreased
2. The button changes back to its original color

Review Rating 014

Description: Not Helpful Clicked Twice

Severity: Critical

Instructions:

1. Navigate to a course’s review page
2. User clicks “No” next to the “Was this review helpful?” prompt for a review
3. User clicks “No” again

Results:

1. The helpful counter is increased
2. The button changes back to its original color

Review Rating 015

Description: Funny Clicked Twice

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. User clicks the “Funny” button next to a review
3. User clicks the “Funny” button again on the same review

Results:

1. The funny counter is first increased on first click
2. The funny counter is then decreased on second click

Review Rating 016

Description: Make sure user can’t re-click helpful, not helpful and funny buttons

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. Leave Funny or Helpful/Not Helpful for a review
3. Refresh page

Results:

1. The user can’t re click on funny or Helpful/Not Helpful

Review Rating 017

Description: Not Helpful and then Helpful

Severity: Workaround

Instructions:

1. Navigate to a course’s review page
2. User clicks “No” next to the “Was this review helpful?” prompt for a review
3. Then the user clicks “Yes” next to the “Was this review helpful?” prompt for a review

Results:

1. The helpful counter increases
2. Then the helpful counter is decremented twice to compensate
3. “No” will be a different color as it was the last option selected

**Contact Devs System**

Contact Devs 001

Description: Send message to Devs while logged in

Severity: Workaround

Instructions:

1. Go to “Contact the Devs” page
2. Fill out contact devs form with message
3. Press send message

Results:

1. E-mail form is automatically filled in with logged in email
2. “Your message was sent” shown on webpage
3. Dev email gets a message

Contact Devs 002

Description: Send message to Devs while not being logged in

Severity: Workaround

Instructions:

1. Go to the “Contact the Devs” page
2. Fill out contact devs form with message
3. Fill out email in email box
4. Press send message

Results:

1. “Your message was sent” shown on webpage
2. Dev email gets a message

Contact Devs 003

Description: Sending incomplete message to Devs while logged in

Severity: Workaround

Instructions:

1. Go to the “Contact the Devs” page
2. Leave one or both fields empty
3. Press send message

Results:

1. E-mail is automatically filled in with logged in email
2. Send message fails and a message appears telling user to write a message

Contact Devs 004

Description: Sending incomplete message to Devs while not being logged in

Severity: Workaround

Instructions:

1. Go to the “Contact the Devs” page
2. Leave one, two, or three of the fields empty
3. Press send message

Results:

1. Send message fails and a message appears telling user to provide all of the appropriate information

**User Settings System**

User Settings 001

Description: Change User Password Success

Severity: Important

Instructions:

1. Click on the “Change Password” button
2. Enter password in “current password” box
3. Enter new password in “new password” box
4. Retype new password in “retype password” box
5. Click “Submit”

Results:

1. Page reloads and notification on screen says “Password successfully changed”

User Settings 002

Description: Change User Password Failure

Severity: Critical

Instructions:

1. Click on the “Change Password” button
2. Enter invalid current password in “current password” box
3. Enter new password in “new password” box
4. Retype new password in “retype password” box
5. Click “Submit”

Results:

1. Page reloads and notification on screen says “Password unchanged, incorrect password.”

**Different Browsers**

Browser 001

Description: App is Compatible with Chrome

Severity: Critical

Instructions:

1. Go to the web application’s URL in Chrome
2. Go through the above tests.

Results:

1. The website behaves correctly according to how the above tests describe.

Browser 002

Description: App is Compatible with Firefox

Severity: Critical

Instructions:

1. Go to the web application’s URL in Firefox
2. Go through the above tests.

Results:

1. The website behaves correctly according to how the above tests describe.

Browser 003

Description: App is Compatible with Safari

Severity: Critical

Instructions:

1. Go to the web application’s URL in Safari
2. Go through the above tests.

Results:

1. The website behaves correctly according to how the above tests describe.

Browser 004

Description: App is Compatible with Internet Explorer

Severity: Critical

Instructions:

1. Go to the web application’s URL in Internet Explorer
2. Go through the above tests.

Results:

1. The website behaves correctly according to how the above tests describe.

**Modern Style**

Style 001

Description: Images Used

Severity: Workaround

Instructions:

1. Load the web application’s home page
2. Open another tab and visit other popular modern websites (e.g. Google, Facebook, Youtube, or Yahoo)
3. Take note of how these websites are styled with images and logos
4. Go through various links and pages of our web app
5. Compare our web app to these popular modern sites

Results:

1. The web app is styled to have appropriate images and logos used like these websites

Style 002

Description: Navigation Links

Severity: Important

Instructions:

1. Load the web application’s home page
2. Open another tab and visit other popular modern websites (e.g. Google, Facebook, Youtube, or Yahoo)
3. Take note of how these websites are styled in regards to navigation tools, such as links, buttons, or bars
4. Go through various links and pages of our web app
5. Compare our web app to these popular modern sites

Results:

1. The web app is styled to have appropriate links, buttons, and navigation bars used like these websites.

Style 003

Description: Color

Severity: Workaround

Instructions:

1. Load the web application’s home page
2. Open another tab and visit other popular modern websites (e.g. Google, Facebook, Youtube, or Yahoo)
3. Take note of how these websites are styled in regards to color
4. Go through various links and pages of our web app
5. Compare our web app to these popular modern sites

Results:

1. The web app is styled to have appropriate colors used like these websites.

**Intuitive Use**

Intuitive 001

Description: Intuitive Sign Up

Severity: Important

Instructions:

1. Assume the mentality of someone who has never used the website before
2. Load the home page
3. Click the signup button
4. Fill in your email and password

Results:

1. It was easy to find the signup button
2. It was easy to fill in credentials

Intuitive 002

Description: Intuitive Searching

Severity: Important

Instructions:

1. Assume the mentality of someone who has never used the website before
2. Navigate to the searching page
3. Type strings in the search bar

Results:

1. It was easy to find the searching page
2. It was easy to fill in what was being searched
3. The search results behaved in an expected way

Intuitive 003

Description: Intuitive Reviewing

Severity: Important

Instructions:

1. Assume the mentality of someone who has never used the website before
2. Navigate to a course’s page
3. Write a review
4. Rate the course
5. Rate a review based off helpfulness
6. Mark a review as funny
7. Flag a review
8. Write the course description
9. Ask a question about the course

Results:

1. It was easy to find the page for a course
2. It was easy to write a review
3. It was easy to rate the course
4. It was easy to rate a review based off its helpfulness
5. It was easy to mark a review as funny
6. It was easy to flag a review as inappropriate
7. It was easy to write the course description
8. It was easy to ask a question about the course

Intuitive 004

Description: Intuitive User Settings

Severity: Workaround

Instructions:

1. Assume the mentality of someone who has never used the website before
2. Navigate to the user settings page
3. Change your password

Results:

1. It was easy to find the user settings page
2. It was easy to change your password

**Screen Size Compatibility**

Screen Size 001

Description: Website Fits on Laptop Screens

Severity: Critical

Instructions:

1. Load the website on laptop screens
2. Navigate through various links and pages

Results:

1. The pages load correctly
2. All of the elements on the page can still be seen and accessed

Screen Size 002

Description: Website Fits on Phone Screens

Severity: Critical

Instructions:

1. Load the website on phone screens
2. Navigate through various links and pages

Results:

1. The pages load correctly
2. All of the elements on the page can still be seen and accessed

**Password Encryption**

Password Encryption 001

Description: The Users’ Passwords are Encrypted

Severity: Critical

Instructions:

1. Try to find out another user’s password

Results:

1. You’re unable to figure out another user’s password because it’s encrypted

**Hosting**

Hosting 001

Description: Hosting Reliability

Severity: Critical

Instructions:

1. Have multiple users using the website at the same time

Results:

1. Despite being hosted by a third party, the website runs normally with reasonable load times

Hosting 002

Description: Database Backups

Severity: Critical

Instructions:

1. Look how often the hosting website backups the data
2. Check after the interval time to make sure the data is saved correctly

Results:

1. The data is saved correctly