

Project: EduTrak
Team No.: 5 Class: CSE 3310; Fall 2020 Module: Test Plan Deliverable: Test Plan Document

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Revision History

Version number	Date	Originator	Reason for change	High level description of changes
1.0	11/08/2000	Team 5	Initial draft	Copying and Pasting project overview and components from Increment(s) 1/2
1.1	11/15/2020	Team 5	Revision	Reviewed first draft together as a team and commented on each other's work. Added more test cases to Syllabus Scanner System and Calendar User Interface.
1.2	11/18/2020	Team 5	Revision	Arranged the page numbers and made the final touches before submission.
1.3	12/07/2020	Team 5	Final Draft	Made some changes based on our final application submission

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1. Introduction and Plan of Approach

As a group of college students with busy schedules, we understand the struggle to keep up with numerous deadlines and events that occur during the school year. That is why we are creating **EduTrak**, an app designed to help students with time management. The app scans your class syllabus file and creates course deadlines for you on an easy-to-use Calendar UI. This allows for students to get a visual representation of assignment due dates, class lecture times, and exam/quizz dates for all their courses. You may also manually add events on your calendar and view tasks/events as a To-Do List. Thus, allowing for the ability of the user to easily filter certain events and deadlines based on date and course number. Also included is an Automated Chatbot that helps answers any question that a user may have about navigating the app. Lastly, the app is also capable of sending notifications to remind users about any upcoming events.

The components that will be covered in our Test Plan are:

- REGISTRATION AND LOGIN
- USER PROFILE SETUP
- SYLLABUS SCANNER SYSTEM
- CALENDAR USER INTERFACE
- REMINDERS AND NOTIFICATIONS
- SEARCH
- TO DO LIST
- AUTOMATED HELP CHATBOT

Following assumptions are made:

- User's phone has reliable internet connection to install the app.
- User's phone has sufficient system requirements and operating system.

2. Test Cases: "Registration and Login"

Project Name: EduTrak
Test Case Name: Registration and Login
Test Case Id: CSE3310/Fall 2020/Team 5/ Registration and Login

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Click into the User and password fields and enter a valid user id/password (a test id should be created and provided to testers)	System should let you in	Pass
TC2	Tab into the User and password fields and enter an invalid user id/password	System should not accept and prevent you from entry	Pass
TC3	Click on "Register Here" if the user wants to register for a new account	System should allow access to the registration page	Pass
TC4	Enter valid user id (see TC1 above) and press "Forgot password"	System should: Ask answer to security question and if correct, an e-mail with a temporary password should be sent	Pass
TC5	If all items in the Registration are filled correctly by the user	System will create a new account and allow access to the system	Pass
TC6	If within the registration page, the password field does not match retype password field	System should not accept, and a pop window should notify the user that the passwords do not match.	Pass
TC7	If the password entered for the registration page does not meet password requirements	System should not accept, and a pop window should notify the user that password does not meet the requirements	Pass
TC8	If the user does not enter in one or more of the required fields for registration	System should not accept, and a pop window should notify the user that one or more required info items are missing	Pass

3. Test Cases: “User Profile Setup”

Project Name: EduTrak
Test Case Name: User Profile Setup
Test Case Id: CSE3310/Fall 2020/Team 5/ User Profile Setup

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Upload profile image with valid profile picture format (.png or .jpg) and “Save Changes” is selected.	System should save image in database and display change on profile.	Unable to complete
TC2	Tab into the User and password fields and enter a valid user id/password (a test id should be created and provided to testers)	Profile information is updated in database. System should allow user to log in with edited information	Pass
TC3	User attempts to change password to invalid password	Error message “Invalid password. Must have numerical and alphabetical values” should be displayed when user save changes.	Pass
TC4	Current email address is changed to an email address already in use by another account	Error message “Email address is currently in use” should be displayed when user saves changes	Pass
TC5	User attempts to change password to current password	Error message “Password is currently in use” should be displayed when user hits “Save Changes”	Pass
TC6	Current email address is changed to an invalid email address	Error message “Invalid Email address” should be displayed when user save changes.	Pass

4. Test Cases: "Syllabus Scanner System"

Project Name: EduTrak
Test Case Name: Syllabus Scanner System
Test Case Id: CSE3310/Fall 2020/Team 5/Syllabus Scanner System

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	If "Auto Upload" option is chosen, upload a pdf file to the Syllabus Scanner and how have it auto-scan to create review screen of information copied is shown	Should show an auto generated preview list of all information that will be verified by the user. User can edit this list as well.	Unable to complete
TC2	If "Manual Upload" option is chosen, the user can create an event and add information about assignments, classes, and exams.	Should transfer over to show a preview list of all information gathered that the user is able to add and edit information items	Pass
TC3	The user is viewing and editing the preview list generated by the scanner. If the user is satisfied with all information, they can upload the information to the calendar by hitting "Verify" button	All information will be uploaded to the Calendar User Interface.	Unable to complete
TC4	If user tries to upload a file that is not in pdf format for Auto Upload	Error message "Sorry, you must upload a .pdf file in order to auto-scan your syllabus"	Unable to complete
TC5	If the scanner was not able to find any information via auto-scanning the pdf for the Auto-Upload option	Pop window will appear asking the user will ask whether they want to submit a new pdf, or manually upload the information.	Unable to complete

5. Test Cases: “Calendar User Interface”

Project Name: EduTrak
Test Case Name: Calendar User Interface
Test Case Id: CSE3310/Fall 2020/Team 5/Calendar User Interface

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Click the “Create” button to create a new event	Dialog box pops up to create new event/deadline. Event details may be specified in this dialog box. Event is then saved to database	Pass
TC2	An event is clicked	Modal box pops up with the option to edit or delete event. Changes are saved to database.	Pass
TC3	“Delete event” option is selected	Tasks no longer shows on homepage.	Pass
TC4	Delete event is confirmed	Event is deleted from database.	Pass
TC5	Delete event is cancelled	Dialog box is closed. Nothing happens to event.	Pass

6. Test Cases: “Reminders and Notification”

Project Name: EduTrak
Test Case Name: Reminders and Notification
Test Case Id: CSE3310/Fall 2020/Team 5/ Reminders and Notification

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Set Reminder On/Off	Should show option to set the reminder on/off	Unable to complete
TC2	If reminder is set “on”	User can manually choose the types of notification s/he wants to receive. Relevant notification is sent to users based on user’s preference (details on TC3).	Unable to complete
TC3	Select the ways that the user wants to get notified.	Three types of notification are shown with the check box on side. -App Notification (Push Notification) -Email Notification (On email account) -Message Notification (On Phone Number) The users should get notification in the selected ways.	Unable to complete
TC4	Select the parameter to for notification	User can set parameters for Notification (how many days prior) and s/he should receive notification based on that parameter.	Unable to complete
TC5	If reminder is set “off”	No notification is sent.	Unable to complete

7. Test Cases: "Search"

Project Name: EduTrak
Test Case Name: Search
Test Case Id: CSE3310/Fall 2020/Team 5/Search

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Go to the search tab and select a specific type (day/date/course) to search in the calendar	System displays a drop-down menu with different types to choose from (day/date/course) the schedule.	Unable to complete
TC2	Click on the "day" filter	System displays another drop down menu listing all 7 days in a week. User must select from the displayed 7 days. No manual typing for days.	Unable to complete
TC3	Click on the "date" filter	System displays a calendar UI which allows user to select day, month, and year. Users can enter manually but should be in the format MM/DD/YYYY. No fields can be empty.	Unable to complete
TC4	Click on the "course" filter	System displays a drop-down menu with the list of courses with the updated syllabus. It does not display the course which is not in the calendar user interface.	Unable to complete
TC5	Submit the filter type to display the schedule	System displays a list of schedules according to the selected filter. It does not display anything, if there is nothing in the system database.	Unable to complete

8. Test Cases: "To Do List"

Project Name: EduTrak
Test Case Name: To Do List
Test Case Id: CSE3310/Fall 2020/Team 5/To Do List

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Go to create to do list and start a new to do list	User should be able to make a new to do list and add details to it. Recently created to-do-list is saved on database with unique ID.	Pass
TC2	Check previously made to do list	System displays two options for the user "Display" and "Update" and	Pass
TC3	If Display is pressed	The system displays the to do list based on the user's input of date and description. A toast message is shown if to do list doesn't exist or is not found.	Pass
TC4	If Update is pressed	Allows user to make changes in selected to-do-list. Users should be able to marks things as complete through checkbox and then update it in the database. Recently updated to-do-list should be also be updated in the database. A final confirmation is issued before saving the changes	Pass

9. Test Cases: “Automated Help Chatbot”

Project Name: EduTrak
Test Case Name: Automated Help Chatbot
Test Case Id: CSE3310/Fall 2020/Team 5/Automated Help Chatbot

Test Case No.	Test Case Description	Expected results	Outcome Pass, Fail, Other (comments)
TC1	Click on the chatbot icon at the bottom right of the application. It is always there, regardless of any tab in the app.	System pops up the chatbot. It greets the user and displays the list of topics that might interest the user in the app.	Unable to complete
TC2	User types and sends the message.	The chatbot displays the possible answers to the user based on the keywords in the question. Users can have back and forth conversation with the system. There will be only automated already made-up answers.	Unable to complete
TC3	Click on the minimize icon at the top of the chatbot.	The chatbot minimizes. All previous conversations will be intact.	Unable to complete
TC4	Click on the maximize icon at the top of the chatbot.	The chatbot maximizes. System will allow to continue previous conversation.	Unable to complete
TC5	Click on the exit icon at the top right part of the chatbot.	The chatbot closes. All the previous conversations are deleted.	Unable to complete