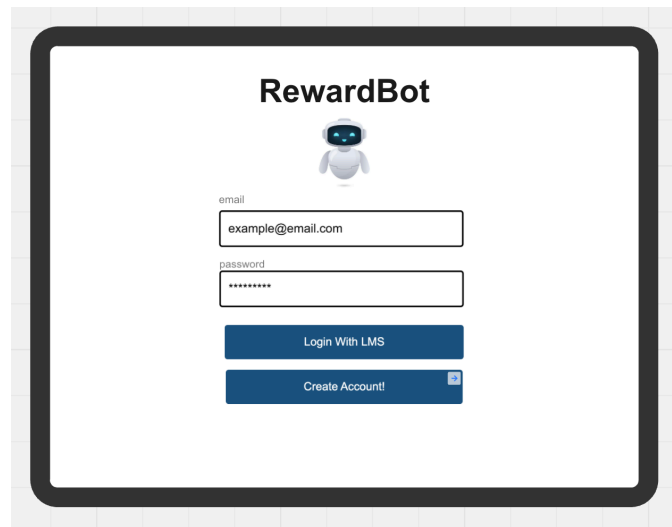


1. Process Deliverable: RewardBot Prototype

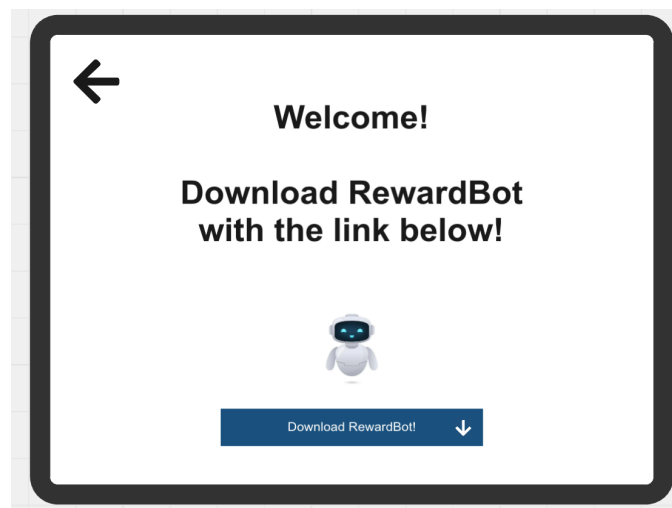
This is the prototype for the RewardBot system. It was implemented using Miro. Our next goal for the prototype was to create the page to see all of the accumulated awards, as seen in the some of the phases of the prototype, which includes adding the home page for the system:

RewardBot Login



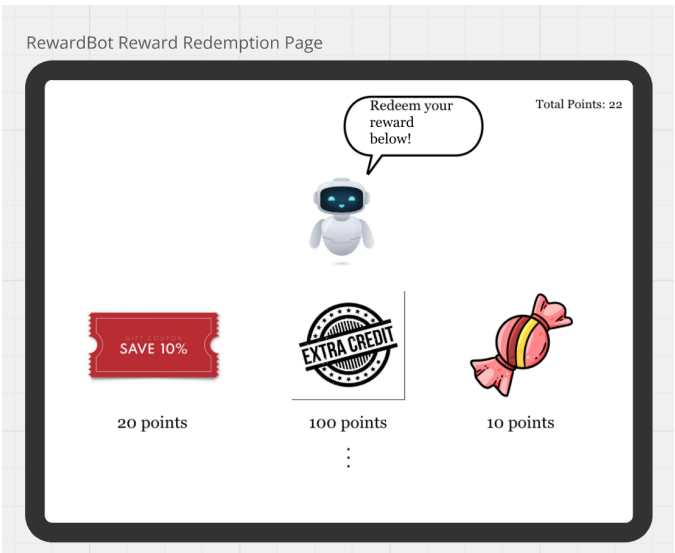
The image shows a login screen for the RewardBot system. At the top, the text "RewardBot" is displayed in a bold, black font. Below this is a small, stylized robot icon with a blue head and a white body. Underneath the robot icon are two input fields: the first is labeled "email" and contains the text "example@email.com"; the second is labeled "password" and contains a series of asterisks. Below these fields are two blue buttons: the first is labeled "Login With LMS" and the second is labeled "Create Account!". The entire screen is enclosed in a thick black border.

RewardBot Download

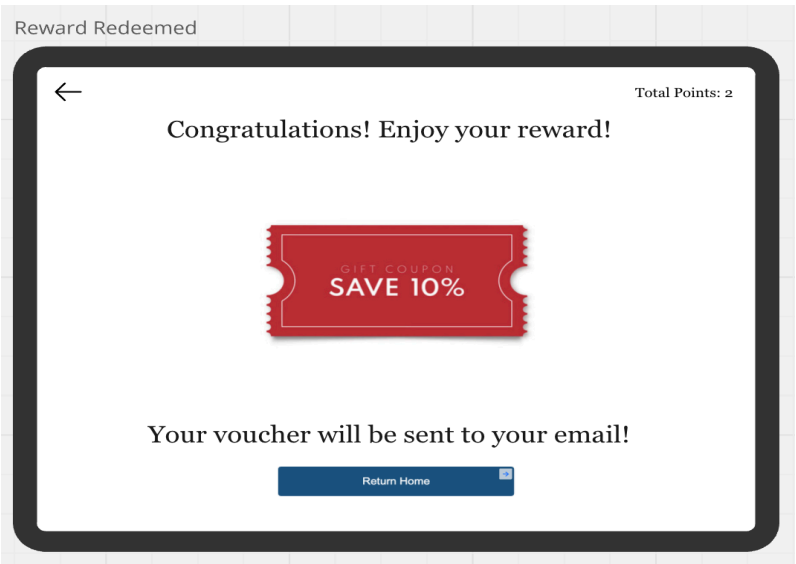


The image shows a download screen for the RewardBot system. At the top left, there is a black back arrow icon. In the center, the text "Welcome!" is displayed in a bold, black font. Below this is the text "Download RewardBot with the link below!" in a bold, black font. Underneath this text is a small, stylized robot icon with a blue head and a white body. Below the robot icon is a blue button labeled "Download RewardBot!" with a white downward arrow icon to its right. The entire screen is enclosed in a thick black border.

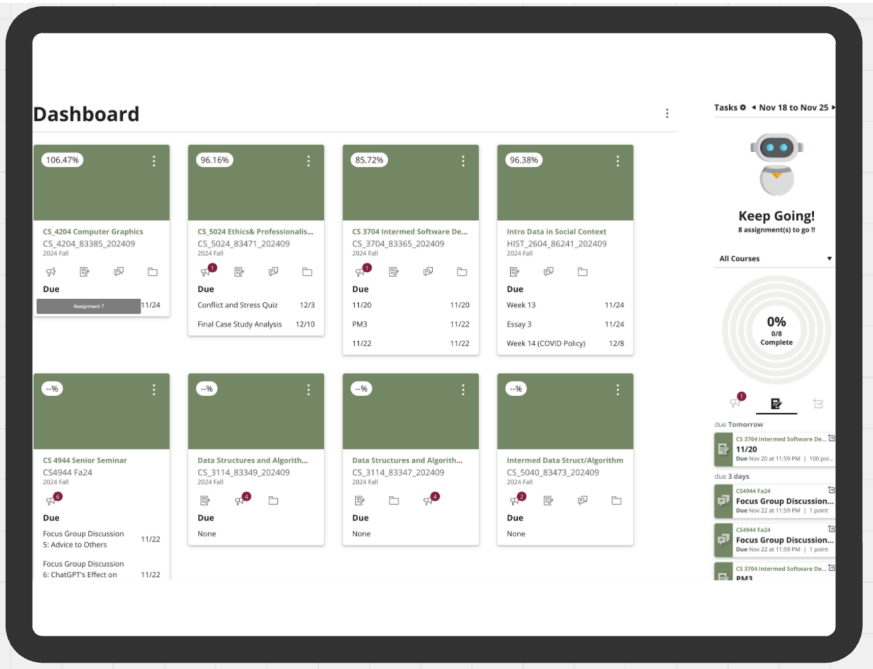
RewardBot Home page



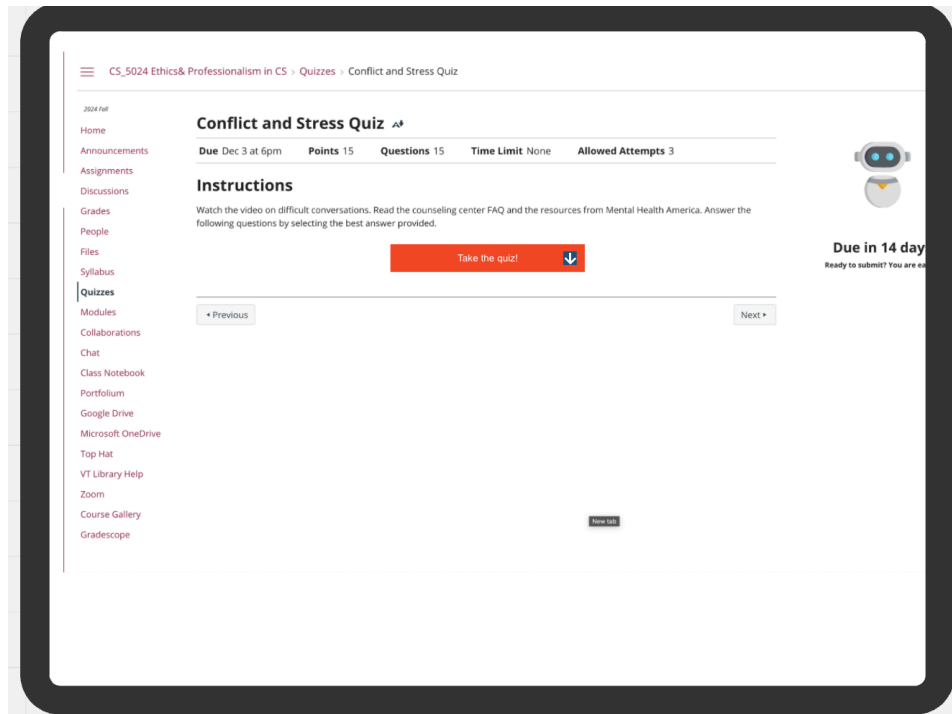
RewardBot Prize Redemption



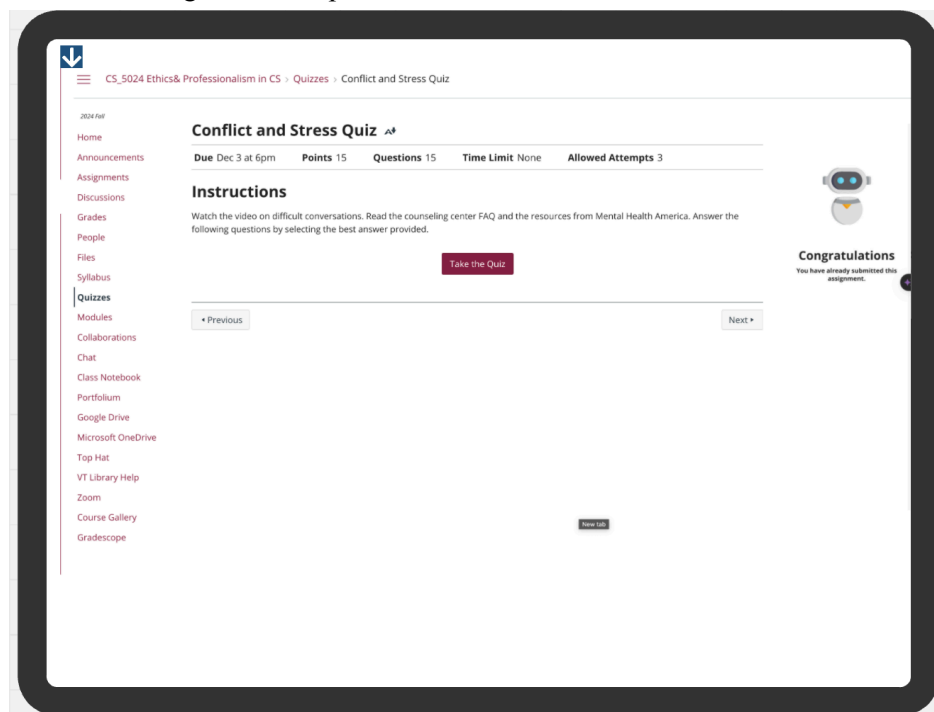
Canvas RewardBot Integration, assignments not completed



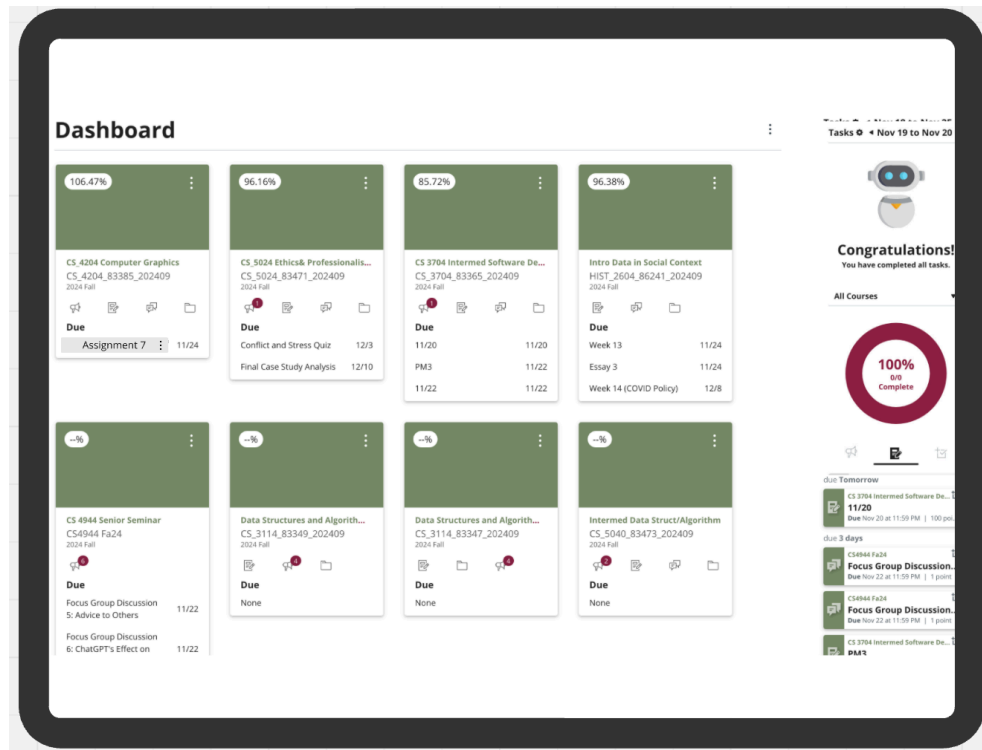
Assignment not finished in Canvas



Canvas assignment completed



Canvas RewardBot after all assignments completed



2. Black Box Test Plan

	Test ID:	Description:	Expected Results:	Actual Results:
	TestName (test author) Test type	-Preconditions: 1.Steps:	Test outputs	Actual outputs
1	Students Accurately	Description: Make sure students can	Expected Results:	

	View Assignment Information Functional Testing	<p>accurately see details about their assignments, including progress and deadlines.</p> <p>Preconditions: Student is logged into RewardBot. Assignment details are available in the system.</p> <p>Steps: Go to the "Assignments" section. Select an assignment. Check the displayed progress, deadline, and status information.</p>	Assignment details (progress, deadlines, status) are displayed correctly. Information matches the data provided by the instructor in Canvas.	
2	Tutorial Popup for New Students Functional testing	<p>Description: Make sure new students see a tutorial popup when they log in for the first time.</p> <p>Preconditions: Student is logging into RewardBot for the first time.</p> <p>Steps: Log into RewardBot via Canvas. Look for the tutorial popup. Click on the "Start Tutorial" button.</p>	<p>Expected Results: A tutorial popup appears right after logging in. Clicking "Start Tutorial" takes the student to the tutorial page. The system marks the student as not new, so the popup doesn't show again.</p>	
3	Evaluation of Interface Navigation and Usability Non functional testing	<p>Description: Check if users can easily navigate RewardBot and do tasks without getting confused.</p> <p>Preconditions: User is logged into RewardBot.</p> <p>Steps: Try to redeem a reward without any instructions. Go to see assignment progress. Look through the rewards catalog and use filters.</p>	<p>Expected Results: Users can complete tasks without needing much help. All buttons and sections are clearly labeled and organized logically. Navigation feels smooth and isn't frustrating.</p>	
4	Successful User Login through Canvas Functional testing	<p>Description: Make sure users can log into RewardBot smoothly using their Canvas credentials.</p> <p>Preconditions: User has an active Canvas account. RewardBot is set up with Canvas.</p> <p>Steps: Go to the Canvas login page. Enter your username and password. Click the "Login" button. Find and click on the RewardBot feature in the dashboard.</p>	<p>Expected Results: User successfully logs into Canvas. RewardBot is accessible without needing to log in again</p>	

5	Interface Navigation and Usability Non functional testing	<p>Description: Check if users can easily navigate RewardBot and different pages to do tasks without getting confused.</p> <p>Preconditions: User is logged into RewardBot.</p> <p>Steps: Try to redeem a reward without any instructions. Go to see assignment progress. Look through the rewards catalog and use filters.</p>	<p>Expected Results: Users can complete tasks without needing much help. All buttons and sections are clearly labeled and organized logically. Navigation feels smooth and isn't frustrating.</p>	
6	Consistency Check for Icons and Terminology Non functional	<p>Description: Make sure the icons and words used are the same everywhere in RewardBot to avoid confusion.</p> <p>Preconditions: User is logged into RewardBot.</p> <p>Steps: Browse through different sections like Rewards, Reports, and Profile. Look at the icons used for similar functions (like different reward types). Check the words used in labels and messages.</p>	<p>Expected Results: Icons for the same reward type are the same in all sections. The language used is consistent, without using different words for the same thing.</p>	
7	TA Access to Assignment Progress and Rewards Functional testing	<p>Description: Ensure Teaching Assistants can view students' assignment progress and rewards.</p> <p>Preconditions: TA is logged into RewardBot with TA permissions. Assignment and reward data for students are available.</p> <p>Steps: Go to the "TA Dashboard." Click on "Student Assignment Access." Select a student or assignment from the list.</p>	<p>Expected Results: The chosen student's assignment progress is shown. Rewards earned by the student are listed. TA can use this info to help the student.</p>	
8	Verification of Different Rewards in the System Functional testing	<p>Description: Make sure RewardBot has all the different types of rewards we planned.</p> <p>Preconditions: Student is logged into RewardBot.</p> <p>Steps: Go to the "Rewards Catalog."</p>	<p>Expected Results: The catalog shows bonus points, food voucher coupons, digital badges, and extra bank days. Rare rewards are clearly marked or highlighted</p>	

		Check out the list of available rewards.		
9	Accessibility and Accuracy of Data Functional	Description: Make sure instructors can create and view detailed data reports about student performance. Preconditions: Instructor is logged into RewardBot with the right permissions. There's enough data on student performance. Steps: Go to the "Reports" section. Select "Institutional Data Report." Create a report with specific metrics (like average grades or common assignment issues).	Expected Results: The report is made without any errors and includes all the chosen metrics. Data is shown in easy-to-understand formats like charts and tables.	
10	Instructor Access to Failing Students List Functional testing	Description: Verify that instructors can see a list of students who are failing. Preconditions: Instructor is logged into RewardBot with the right permissions. Student grades are updated in the system. Steps: Go to the "Reports" section. Select "Student Status Report." Filter for students with grades below 60%.	Expected Results: A list of students who are failing is shown. Each student's name, grade, and course details are visible.	