

GuideSense - Sprint 2 Test Cases

ID	Story ID	Test Case	Expected Result	Status
1	US1	Capture a video using the phone camera with an object present.	The system should detect the object and provide a real-time response indicating the presence and type of object.	Passed
2	US1	Capture a video using the phone camera with no objects present.	The system should not detect any object	Passed
3	US1	Move the phone to capture different objects within the camera's view.	The system should continuously detect and alert the user in real time, updating the alerts as new objects come into view.	Passed
4	US2	The user opens the web app, accesses the camera feed, and points the camera at their surroundings.	The user should be able to smoothly activate the camera feed.	Passed
5	US3	The user opens the app, points the camera at an object, and the system detects the object in real-time.	The system should describe the detected object through text-to-speech, providing the user with real-time auditory feedback about the object's type and location.	Partially working
6	US4	The user enters/updates data into the app's frontend and submits it.	The data should be immediately reflected in the app's interface, with updated information displayed in real-time without requiring a page reload.	Passed
7	US5	The user attempts to sign up with valid credentials	The system should successfully create the account, and the user should receive a confirmation message or be redirected to the login page.	Passed
8	US5	The user attempts to log in with valid credentials	The system should authenticate the user and allow them to access personalized features within the app.	Passed
9	US5	The user attempts to log in with invalid credentials	The system should show an error message indicating invalid credentials and prevent access to the app.	Passed
10	US6	The user enters a valid source and destination address and requests directions.	The system should display the best route with turn-by-turn navigation directions, along with the estimated time of arrival and distance.	Passed
11	US6	The map renders correctly on the screen	The user should get map rendered on the screen and must be ready to input navigation through input fields.	Passed
12	US6	The user should go to desired location through search field and auto suggestion	The system is helping user to get to desired location suggested by auto suggestion from google Maps API.	Passed
13	US6	The route should be calculated accurately	The accurate route is provided to the user.	Passed

GuideSense - Sprint 3 Test Cases

ID	Story ID	Test Case	Expected Result	Status
1	TS12	Verify that a developer can successfully create a new AWS account with root user credentials	A new AWS account is created with a confirmed email address, secure password, and multi-factor authentication (MFA) enabled for the root user. The developer receives confirmation of successful account creation and can access the AWS Management Console.	Passed
2	TS13	Verify that the backend and model code can be successfully deployed on an appropriately configured EC2 instance	EC2 instance launches with proper configuration (correct type, security groups, IAM role). Backend and model code deploy successfully with all dependencies. Application initializes without errors, with logs confirming proper startup of all components	Passed
3	TS14	Verify that the deployment and installation manual contains all necessary steps and information	Manual includes complete setup instructions for environment configuration, application deployment, and system maintenance with accurate commands, dependencies, and configuration settings.	Passed
4	US7	Verify that the application correctly identifies and communicates relevant objects and obstacles in the user's surroundings	Application accurately detects obstacles, landmarks, and potential hazards in the user's environment and provides clear, timely audio descriptions that match what's actually present.	Passed
5	US7	Verify that audio updates are delivered in a clear, timely, and non-disruptive manner	Audio notifications are delivered with appropriate volume, clarity, and frequency. Critical alerts are prioritized, and the user can easily understand the information without becoming overwhelmed or confused by excessive updates.	Passed
6	US8	Verify that visually impaired users can easily input their source and destination using accessibility features	UI elements are properly labeled for screen readers, voice input works correctly, and all input fields are navigable using keyboard shortcuts. Users can successfully enter locations without visual cues.	Passed

7	US8	Verify that navigation directions from Google Maps are delivered in an accessible format	Navigation directions are converted to clear audio instructions that provide timely guidance at appropriate intervals. Turn-by-turn directions include distance information and warning for upcoming turns.	Passed
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