

Scenario	Summary
User should be able to create Online Classroom	<p>As a user</p> <p>Given I'm on the Home page.</p> <p>When I click on "Create Room" Button</p> <p>Then I should see popup asking for "Room Name" and "Username"</p> <p>When I enter "Room name" and "Username"</p> <p>And I click on "Create & Join" button</p> <p>Then a room should be created and I should enter the room</p>
User should be able to join an existing Room	<p>As a user</p> <p>Given I'm on the Home Page</p> <p>When I click on "Join Room" Button</p> <p>Then I should see popup asking for "Room Name" and "Username"</p> <p>When I enter Room Name and Username And I click on "Join" button</p> <p>Then I should join the room</p>

User should have control to turn his mic on or off

As a user

Given I'm on the "Room Page"

And there are other users also in the room

When I click on "Mic" Icon

Then My mic should be disabled

When I click on "Mic" Icon

Then My mic should be enabled

User should have control to turn his video on or off

As a user

Given I'm on the "Room Page"

And there are other users also in the room

When I click on "Video" Icon

Then My video should be disabled

When I click on "Video" Icon

Then My video should be enabled again

Implement UI to mark attendance	<p>As a user</p> <p>Given Host is on the home page.</p> <p>Mark attendance button is enabled on the homepage.</p>
Create tables and stored procedures to save and retrieve data	<p>As a user</p> <p>Given Host can store the data.</p> <p>When Host clicks on the Mark attendance button, it will create a new table with appropriate fields to store the data.</p> <p>Then it will call stored procedures to insert or retrieve data stored from the table.</p>
Test Facial Recognition Model	<p>As a user</p> <p>Given a set of images of the team.</p> <p>When the user clicks on the verify option, the facial recognition model is tested on the set of images.</p> <p>Then Model should be able to accurately identify the people already in the database and mark the attendance</p>

<p>Enable attendance marking feature for room owners</p>	<p>As a user</p> <p>Given The attendance marking feature is enabled.</p> <p>When the Host clicked on the mark attendance button</p> <p>Then Users can get verify option to mark the attendance</p>
<p>Test of whole application functionality</p>	<p>As a user</p> <p>Given Host can create a room.</p> <p>Then users can join the room</p> <p>When the host clicks on the mark attendance</p> <p>Then users will get verify option to verify their images and mark their attendance to the host</p>

Create Login and Signup pages	<p>As a user</p> <p>Given user is on the login page.</p> <p>Then user should see username field, password field and login button.</p>
	<p>As a user</p> <p>Given user is on login page.</p> <p>When user clicks on the signup.</p> <p>Then sign up form should be visible.</p>
	<p>As a user</p> <p>Given user is on the signup page.</p> <p>Then user should see email field, username field, password field, verify password field and signup button.</p>
Create Tables and stored procedures for authentication	<p>As a user</p> <p>Given user is on the sign up page.</p> <p>When the user enters username</p> <p>And the user enters email</p> <p>And the user enters password</p> <p>And the user clicks on signup</p> <p>Then user should see the message "Registered Successfully"</p>
	<p>As a user</p> <p>Given user is on login page</p> <p>When user enters username</p> <p>And user enters password</p> <p>And user clicks on Login button</p> <p>Then user should be logged into the application</p>

Create APIs for user signup and login	<p>As a developer</p> <p>Given Host consumes APIs</p> <p>When Host provides proper input to the APIs</p> <p>Then API should validate user</p> <p>AND respond with proper response</p>
Implement Backend authentication using JWT token	<p>As a developer</p> <p>Given Host is consuming login API</p> <p>When Host calls API with email and password</p> <p>Then Backend should return with JWT token if user credentials are valid</p>
Integration of authentication with existing application	<p>As a user</p> <p>Given Host is logged in</p> <p>And Host is on Home page</p> <p>When user tries to access the application</p> <p>Then details should be fetched based on JWT token</p>

Deploy whole application on a public server	<p>As a user</p> <p>Given Host connected to internet</p> <p>When Host goes to URL https://simplyonline.com</p> <p>Then Host should access the simply online application</p>
Screenshare feature	<p>As an admin</p> <p>Given Host is in online room</p> <p>When Host clicks on screenshare icon</p> <p>Then Host should share his screen to whole room</p>

Enable ScreenSharing feature	<p>As a user</p> <p>Given user clicks on screen share button.</p> <p>Then user should be able to share screen.</p>
	<p>As a user</p> <p>Given user is logged in as non admin,</p> <p>Then user should not see screen share button</p>
	<p>As a user</p> <p>Given user is logged in as admin.</p> <p>Then user should see screen share button</p>

Mark Attendance feature production deployment	<p>As a user</p> <p>Given user is in https://simplyonline.tech</p> <p>And user is in online call.</p> <p>When admin requests for attendance</p> <p>And the user see popup asking to take a picture</p> <p>And the user takes photo</p> <p>And the user clicks on submit</p> <p>Then user should see the message "Attendance Marked Successfully"</p>
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Test live application with many users	<p>As a user</p> <p>Given user joins a room with multiple users</p> <p>When Host provides proper input to the APIs</p> <p>Then user should see no lag</p>
Deploy application on public server	<p>As a user</p> <p>Given Host is on https://simplyonline.tech</p> <p>Then Host should see simplyonline UI</p> <p>And Host should be able to login to application</p>

Create individual Docker images for Front end, back end and face recognition	<p>As a developer</p> <p>Given Host is logged into the server</p> <p>And Host should pull docker images from dockerhub</p> <p>When user runs docker images</p> <p>Then application should be deployed in server</p>
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Face registration in signup	<p>As a user</p> <p>Given user is on signup page</p> <p>When user clicks on Register Face button</p> <p>Then Popup should open and ask for face registration.</p>
	<p>As a user</p> <p>Given user is on face registration page,</p> <p>When user clicks on capture button,</p> <p>Then photo should be captured</p>
	<p>As a user</p> <p>Given user captured a photo</p> <p>Then user should see retake and save buttons</p>

Save Face data in database	<p>As a user</p> <p>Given user registered with face data</p> <p>Then Data should be stored in database in blob format</p> <p>And User should see "Registered Successfully" message</p>
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Train face recognition model from data stored in database. Verify faces using registered faces	<p>As a user</p> <p>Given user is verifying his attendance</p> <p>When user clicks on capture and submits for verification</p> <p>Then user should be verified</p> <p>And attendance should be marked successfully</p>
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