Attendance Automation System

Test Cases

Sprint 1 TEST CASES:

Key	Scenario	Test Case	Expected Result	Actual Result
US – 1	Main Dashboard	Able to see and hover Admin and Faculty page buttons	-User should be able to click on the Admin or Faculty based on the utility	Pass
US – 1	Main Dashboard	Admin/Faculty Should be able to redirect to the homepage of Faculty or Admin accordingly	-User should be able to view homepage according to their role	Pass
US – 2	Admin Login page	- Admin should be able to redirect to admin login page once clicked on admin on home page	-Admin login page should be displayed	Pass

Sprint 2 TEST CASES:

Key	Scenario	Test Case	Expected Result	Actual Result
US - 3	Admin Login	- Admin should be able to provide username and password to login to admin account	- Admin options page should be displayed if valid credentials are provided	Pass
US - 3		- If wrong credentials are provided then invalid credentials message should be displayed	- Displayed message to provide valid credentials message and deny access to account	Pass
US – 4	Admin options page	- Click on add student to access student registration page	- Student registration page should be displayed providing options for student registration details	Pass

Sprint 4 TEST CASES:

Key	Scenario	Test Case	Expected Result	Actual Result
US – 8	Student registration page	Enter student name, student id, student email, capture image	Student should be added successfully to the database in students table	Pass
US – 8	Student registration page	- If null details are entered into the form - If student image is not captured - Click on camera to invoke system camera - If all details are entered and image is captured	- Display error message to provide all the details - Display error message to capture student image - System camera should be invoked - Display alert student is added successfully	Pass
US – 10	Faculty Registration Page	Click on register now icon to redirect to faculty registration page	- Faculty registration page should be displayed	Pass
AASY – 6	Faculty login page	User should be able to click on faculty icon on home page to open faculty login page with option to register if new user	Faculty login page should be displayed	Pass

Sprint 5 TEST CASES:

Key	Scenario	Test Case	Expected Result	Actual Result
US- 7	Faculty Registration	Enter all the required fields name, email id, password, phone number	- User should be able to successfully register and display successfully registered message	Pass
US - 7		Fields should not be empty and All the fields need to be provided to successfully register	Display fields cannot be empty if any field is not entered successfully	Pass
US - 9	Faculty Login	Sign in using the valid username and password provided During registration	- User should be able to successfully login with their credentials	Pass
US - 11	Faculty options Page	Immediately after login faculty should be able to see options to capture attendance/ browse image to upload options	- Display capture attendance/ browse image to upload options to faculty after the sign in	Pass
US - 11		Should be able to click on capture attendance icon to open the system camera	- System camera should be invoked and able to capture the image	Pass
US - 11		Should be able to click on image upload to browse an image available in the system	Display files available to upload an image available in the user's system	Pass

Sprint 6 TEST CASES:

Key	Scenario	Test Case	Expected Result	Actual Result
US – 12	Faculty options Page	Should be able to click on capture attendance icon to open the system camera	-System camera should be invoked and should be able to take a photo	Pass
US – 13	Display registered students on GUI console	Admin should be able to click on view students in the GUI console to view all the registered students	GUI Console should display all the registered student details including name, student ID, email and student image number	Pass
US – 12	Detect registered student face	Faculty should be able to capture/upload image and click submit to successfully submit attendance	Display attendance successfully captured message	Pass
US – 12	Detect registered student face	KNN Machine learning algorithm should be able to detect the student face from the registered student's data stored in the database	Faculty should be immediately able to see the student's image who are present with their names recognized from the database.	Pass

Sprint 7 TEST CASES:

Story Number	Scenario	Test Case	Expected Result	Actual Result
US – 14	Access attendance reports	Admin should be able to click on reports in admin options page to access reports page to view/download reports	Attendance reports page should be displayed to the admin	**Pass**
US – 14	Access attendance reports	Faculty should be able to click on reports in faculty options page to access reports page to view/download reports	Attendance reports page should be displayed to faculty	**Pass**
US – 15	View attendance reports	Admin/Faculty should be able to click on today's attendance to view attendance report generated today on GUI Console	Admin/Faculty should be able to view students attendance report captured today with list of students who are present and absent	**Pass**
US - 15	View attendance reports	Attendance report on GUI Console should display complete student details with attendance	Date, student id, student name and attendance status should be displayed	**Pass**
US – 16	Download attendance reports	Admin/Faculty should be able to click on download to successfully download data in excel sheet	Downloaded and saved in reports.xlsx message should be displayed	**Pass**
US – 16	Download attendance reports	Admin/Faculty should be able to to access the student's attendance reports in excel format	Admin/Faculty should be able to download excel sheet with consolidated attendance data	**Pass**
US - 16	Download attendance reports	Downloaded excel sheet should display complete student details with attendance status	Date, Student ID, Student name and attendance status present/absent should be displayed	**Pass**

Sprint 8 TEST CASES:

Story Number	Scenario	Test Case	Expected Result	Actual Result
US – 17	Email to registered faculty	Once faculty clicks on send an email success message should be displayed	Attendance submitted and email sent message should be displayed	Pass
US – 17	Email to registered faculty	When clicked on send email an email with absent list should be sent to registered faculty id	Absent list for the present date should be received by faculty	Pass
US – 18	Redesign UI interface	Redesigned applications icons should be displayed for all pages of application	All the pages of applications are updated with user friendly colors and icons	Pass
US - 19	Create exe file	Converted exe file should be able to start the application	Application is launched when user clicks on main.exe file	Pass