Test Cases - Mobile app

User Story ID: MW-34 (Login page - mobile app)

Test Cases ID	Description	Precondition	Test Steps	Expected Results	Pass/ Fail	Note
1	**Renders correctly**	NA	- Checks if the username input field is rendered - Checks if the password input field is rendered - Checks if the "Sign In" button is rendered	Login Page is rendered	Pass	NA
2	**Signs in with valid credentials**	Login Page is rendered	- Checks if the username input field is rendered - Checks if the password input field is rendered - Checks if the "Sign In" button is rendered	Home page is rendered after login	Pass	NA
3	**Shows an error message with invalid username**	Login Page is rendered	- Fills in the username field with an invalid username - Fills in the password field with a valid password - Presses the "Sign In" button - Checks if the error alert was shown with the expected message	Invalid username or password error message is rendered	Pass	NA
4	**Shows an error message with invalid password**	Login Page is rendered	- Fills in the username field with a valid username - Fills in the password field with an invalid password - Presses the "Sign In" button	Invalid username or password error message is rendered	Pass	NA

			• Checks if the error alert was shown with the expected message			
5	**Shows an error message with invalid credentials**	Login Page is rendered	• Fills in the username and password fields with invalid credentials • Presses the "Sign In" button • Checks if the error alert was shown with the expected message	Invalid username or password error message is rendered	Pass	NA

User Story ID: MW-122 (Home page - mobile app)

Test Cases ID	Description	Precondition	Test Steps	Expected Results	Pass/ Fail	Note
1	Renders correctly with valid route parameters	Must be logged into the app.	• Open the app on mobile device. • Login into the app with username and password	• Home page is properly rendered with all the UI elements.	Pass	NA
2	Fetches and displays user name correctly	Must be logged into the app.	• Once logged in check if the user's first name is displayed as 'Hi, <first name>'	• The user's name is displayed on the top of the home page	Pass	NA
3	Displays "No upcoming appointments" message when there are no appointments	• Must be logged into the app. • No upcoming appointments must be present	• Once logged in check if there is 'No upcoming appointments' message displayed in the Upcoming appointments section	• The 'No upcoming appointments' message is displayed	Pass	NA
4	Shows more appointments when "Show More" button is clicked	• Must be logged into the app. • More than 2 upcoming appointments must be present	• Once logged in, check if there are more than 2 appointments present in the upcoming appointments section.	• Show More button is present. • Show More button is clickable • More appointments are displayed when the show more button is clicked.	Pass	NA

			• Check the 'Show More' button is displayed • Click the button. • Check if more appointments are displayed			
5	Hides appointments when "Show Less" button is clicked	• Must be logged into the app. • More than 2 upcoming appointments must be present • Show more button must be clicked	• Follow steps of test case 4. • Check if show less button is present. Click the show less button	• Show less button is present. • Show less button is clickable. • Only 2 appointments are displayed when the button is clicked	Pass	NA
6	Opens appointment details modal when an appointment item is pressed	• Must be logged into the app. • Upcoming appointments must be present and clickable .	• Follow steps of test case 1. • Check if any appointment is present. Click the appointment. • Check if the appointment details are displayed	• Appointments are clickable. • Appointment details are displayed when they are clicked	Pass	NA
7	Closes appointment details modal when close button is pressed	• Must be logged into the app. • Upcoming appointments must be present and clicked.	• Follow steps of test case 6. • Check if close button is present in the appointment details page. • Click the close button.	• Close button is present in the appointment details page and is clickable. • After clicking app return to home page	Pass	NA

User Story ID: MW-122 (Appointment details - mobile app)

Test Cases ID	Description	Precondition	Test Steps	Expected Results	Pass/Fail	Note
1	Renders appointment details correctly	• Home page must be rendered • Appointments must be present in the 'Upcoming appointments' section	• Login into the app • Click on 1 appointment present in the 'Upcoming appointments' section. • Check if all the appointment	Appointment details page is rendered with all the appointment fields	Pass	NA

			fields are rendered.			
2	Renders error message when appointment is not provided	• Home page must be rendered • Appointments must be present in the 'Upcoming appointments' section	• Login into the app • Click on 1 appointment present in the 'Upcoming appointments' section • Check if error message is displayed because appointments are details are not present.	Error message is displayed	Pass	NA
3	Closes the modal when the close button is pressed	• Home page must be rendered • Appointments must be present in the 'Upcoming appointments' section • Appointment must be clicked	• Follow steps of test case 1 • Check if close button is present • Click on close button.	App returns to home page.	Pass	NA

User Story ID: MW-119 (Appointment screen - mobile app)

Unit test (Appointment card & Calendar):

Test Cases ID	Component	Description	Precondition	Test Steps	Expected Results	Pass/Fail	Note

1	Appointment Card & Calendar	Renders appointments details correctly	• Must be able to fetch appointment data from server • The date stored in correct form • Must logged in	1. Render the component with mock appointments data 2. Manually check the correctness of the mock appointment details	Appointment card and calendar component should render the correct details based on the mock appointment data	Pass	NA
2	Appointment Card	Navigates to appointment detail on press	• Mock appointment data and Navigation mock must be provided correctly	1. Following Test case 1 2. Simulate a press event on the appointment 3. Check if the mockNavigate function is called to navigate to the AppointmentDetail screen	The corresponding appointment detail screen should be displayed once the appointment card is pressed	Pass	NA
3	Calendar	Highlight the selected date when a day is pressed	• List of mock Appointment data must be provided • The format of rendered date is correct	1. Test Case 2. Simulate a press event on a calendar day on the calendar component with a dateString	The appointment date is highlighted on the calendar	Pass	N/A
4	Calendar	Shows message when the selected date has no appointment	• List of complete Appointment data must be provided	1. Render the appointment detail with empty data 2. Select date with no appointment 3. Check if the message is displayed on the screen	Below the calendar should show "no upcoming appointments"	Pass	NA
5	Appointment Card & Calendar	Handles invalid data inputs gracefully	• The provided appointment data is in incorrect format	1. Render the calendar with invalid date inputs 2. Check if the Calendar component is handled properly	The Calendar component should not mark any dates	Pass	N/A

Integration test (appointment screen):

Test Cases ID	Description	Precondition	Test Steps	Expected Results	Pass/Fail	Note
1	Renders the AppointmentCard and Calendar correctly	• Must be able to fetch appointment data from server • The mock data stored in correct form • Appointment card and calendar must be rendered	1. Set up mocked data for user details and appointment list 2. Render the AppointmentScreen component 3. Check if the appointment card and calendar components are rendered correctly	The Appointment Screen should render the appointment card component and the calendar component correctly	Pass	NA
2	Displays message when no appointments are available	• An empty list of upcoming appointments must be provided	1. Set up mocked data for user details and an empty array for upcoming appointments 2. Render the AppointmentScreen component 3. Check if the message is displayed	The message "no upcoming appointments." should be displayed	Pass	NA

Appointment detail screen:

Test Cases ID	Description	Precondition	Test Steps	Expected Results	Pass/Fail	Note
1	Renders all appointment details correctly	• Mock appointment details must be provided in correct form	1. Set up mock appointment details 2. Render the screen with the mock details 3. Check if all details are rendered correctly	This screen should render the appointment details correctly based on the mock appointment details	Pass	NA
2	Navigates to doctor location on pressing address	• Mock appointment details must be provided in correct form	1. Follow Test case 1 2. Press the doctor's address text 3. Check if the navigation function is called with the correct appointment details	The screen should navigates to Google Map to search for doctor's location once the location link is pressed	Pass	Further testing on this functionality is needed

3	Adds appointment to calendar when prompted	• Mock appointment details including dates must be provided in correct form • Calendar app should be installed on the phone	1. Follow Test case 1 2. Press the "Add to calendar" text 3. Check if the function of adding to calendar is called with the correct appointment details	The screen should pop to calendar to ask for adding a new event to the calendar after the "Add to calendar" is triggered	Pass	Further testing on this functionality is needed
4	Shares appointment details when share button is pressed	• Mock appointment details must be provided in correct form	1. Follow Test case 1 2. Press the "Share" button 3. Check if the sharing function is called with the correct appointment details	The screen should come up a tab to share the appointment details in text with other apps when the "Share Appointment Details" text is pressed	Pass	Further testing on this functionality is needed
5	Opens a document when document link is pressed	• Mock appointment details with a document must be provided • Document link must be accessible	1. Follow Test case 1 2. Press the document link 3. Check if the onDocumentPress function is called with the correct document URL	The screen will navigate to the correct document URL when the document name text is pressed	Pass	The onDocumentPress function is mocked for testing
6	Displays message when no documents or notes are available	• Mock appointment details with an empty documents array or notes	1. Set up mock appointment details with an empty documents array or notes 2. Render the screen with the mock details 3. Check if the message is rendered	"No documents available." or "You have no reminders." message should be rendered correctly when the the appointment has no document links or notes	Pass	NA