

# Test Cases - Uploaded File: axis hr whatsapp bot - feature list.xlsx

## User Story 1

As an employee, I want to authenticate myself using an OTP sent to my official email, so that I can securely access HR-related information via WhatsApp.

### Test Cases:

#### Test Case 1:

### Positive Test Cases: \*\*1.\*\* \*\*Test Case ID:\*\* 001 \*\*Description:\*\* Verify successful authentication with OTP sent to official email. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee enters their email address on the OTP authentication page. 2. Employee receives OTP on their official email and enters it on the OTP authentication page. 3. Employee clicks on the authentication button. \*\*Expected Result:\*\* Employee is successfully authenticated and gains access to HR-related information via WhatsApp. \*\*Priority:\*\* High ### Validation Test Cases: \*\*1.\*\* \*\*Test Case ID:\*\* 002 \*\*Description:\*\* Verify authentication fails if incorrect OTP is entered. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee enters their email address on the OTP authentication page. 2. Employee receives OTP on their official email and enters an incorrect OTP on the OTP authentication page. 3. Employee clicks on the authentication button. \*\*Expected Result:\*\* Authentication fails, and employee is unable to access HR-related information via WhatsApp. \*\*Priority:\*\* High \*\*2.\*\* \*\*Test Case ID:\*\* 003 \*\*Description:\*\* Verify authentication fails if OTP is not entered within the specified time limit. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee enters their email address on the OTP authentication page. 2. Employee receives OTP on their official email but exceeds the time limit to enter it on the OTP authentication page. 3. Employee clicks on the authentication button. \*\*Expected Result:\*\* Authentication fails, and employee is unable to access HR-related information via WhatsApp. \*\*Priority:\*\* High ### UI/UX Test Cases: \*\*1.\*\* \*\*Test Case ID:\*\* 004 \*\*Description:\*\* Verify OTP authentication page is user-friendly and intuitive. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee navigates to the OTP authentication page. \*\*Expected Result:\*\* The OTP authentication page is easy to understand and navigate, with clear instructions on how to proceed. \*\*Priority:\*\* Medium ### Performance Test Cases: \*\*1.\*\* \*\*Test Case ID:\*\* 005 \*\*Description:\*\* Verify OTP is received in a timely manner on the official email. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee enters their email address on the OTP authentication page and waits for OTP. \*\*Expected Result:\*\* OTP is received within a reasonable time frame, ensuring smooth authentication process. \*\*Priority:\*\* Medium ### Security Test Cases: \*\*1.\*\* \*\*Test Case ID:\*\* 006 \*\*Description:\*\* Verify OTP is encrypted and securely transmitted to the official email. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee enters their email address on the OTP authentication page. 2. Ensure that the OTP is securely transmitted to the official email. \*\*Expected Result:\*\* OTP is encrypted and transmitted securely to prevent unauthorized access. \*\*Priority:\*\* High ### Combination Test Cases: \*\*1.\*\* \*\*Test Case ID:\*\* 007 \*\*Description:\*\* Verify successful authentication with OTP sent to official email after multiple failed attempts with incorrect OTP. \*\*Preconditions:\*\* Employee has access to their official email. \*\*Steps:\*\* 1. Employee enters their email address on the OTP authentication page. 2. Employee enters incorrect OTP multiple times before entering the correct OTP. 3. Employee clicks on the authentication button. \*\*Expected Result:\*\*

Employee is successfully authenticated after entering the correct OTP, even after multiple failed attempts. **Priority:** High

## User Story 2

As an employee, I want to navigate through menu-based selection system in WhatsApp, so that I can easily find answers to HR-related queries without typing free-text inputs.

### Test Cases:

#### Test Case 1:

**Positive Test Cases:** **Test Case ID:** 001 **Description:** Navigate to the HR menu option.  
**Preconditions:** Employee is on the WhatsApp application homepage. **Steps:** 1. Open the WhatsApp application. 2. Navigate to the HR menu option. **Expected Result:** Employee successfully navigates to the HR menu option. **Priority:** High **Test Case ID:** 002 **Description:** Access the HR-related queries. **Preconditions:** Employee is in the HR menu. **Steps:** 1. Click on the HR-related queries option. **Expected Result:** Employee can easily find answers to HR-related queries. **Priority:** High **Validation Test Cases:** **Test Case ID:** 003 **Description:** Navigate to a non-existing menu option. **Preconditions:** Employee is on the WhatsApp application homepage. **Steps:** 1. Open the WhatsApp application. 2. Navigate to a non-existing menu option. **Expected Result:** Employee receives an error message indicating the menu option does not exist. **Priority:** Medium **UI/UX Test Cases:** **Test Case ID:** 004 **Description:** Evaluate the ease of navigation through the menu. **Preconditions:** Employee is on the WhatsApp application homepage. **Steps:** 1. Open the WhatsApp application. 2. Evaluate the ease of navigation through the menu. **Expected Result:** The menu-based selection system is intuitive and user-friendly. **Priority:** High **Performance Test Cases:** **Test Case ID:** 005 **Description:** Measure the response time for navigating through the menu. **Preconditions:** Employee is on the WhatsApp application homepage. **Steps:** 1. Open the WhatsApp application. 2. Navigate through the menu options. **Expected Result:** The response time for navigating through the menu is acceptable. **Priority:** Medium **Security Test Cases:** **Test Case ID:** 006 **Description:** Ensure menu options are secure and do not expose sensitive information. **Preconditions:** Employee is on the WhatsApp application homepage. **Steps:** 1. Open the WhatsApp application. 2. Navigate through the menu options. **Expected Result:** Menu options do not expose sensitive HR-related information. **Priority:** High **Combination Test Cases:** **Test Case ID:** 007 **Description:** Navigate to the HR menu option and access HR-related queries. **Preconditions:** Employee is on the WhatsApp application homepage. **Steps:** 1. Open the WhatsApp application. 2. Navigate to the HR menu option. 3. Click on the HR-related queries option. **Expected Result:** Employee successfully navigates to the HR menu option and finds answers to HR-related queries. **Priority:** High

## User Story 3

As a vendor (Focaloid), I want to add predefined HR-related queries and options provided by Axis, so that the employees can navigate through structured menu selections in the WhatsApp bot.

### Test Cases:

### **Test Case 1:**

**\*\*Positive Test Cases:\*\*** **\*\*Test Case ID:\*\*** ADDHRQ001 **\*\*Description:\*\*** Vendor (Focaloid) adds predefined HR-related queries and options provided by Axis successfully. **\*\*Preconditions:\*\*** Vendor is logged in and has access to add queries. **\*\*Steps:\*\*** 1. Log in to the system as a vendor. 2. Navigate to the HR-related queries section. 3. Add predefined HR-related queries and options provided by Axis. **\*\*Expected Results:\*\*** Queries and options are successfully added to the system. **\*\*Priority:\*\*** High

**\*\*Validation Test Cases:\*\*** **\*\*Test Case ID:\*\*** ADDHRQ002 **\*\*Description:\*\*** Vendor tries to add queries without logging in. **\*\*Preconditions:\*\*** Vendor is not logged in. **\*\*Steps:\*\*** 1. Access the HR-related queries section. 2. Try to add predefined HR-related queries and options provided by Axis. **\*\*Expected Results:\*\*** Vendor is prompted to log in before adding queries. **\*\*Priority:\*\*** High

**\*\*UI/UX Test Cases:\*\*** **\*\*Test Case ID:\*\*** ADDHRQ003 **\*\*Description:\*\*** Check the user interface for adding predefined HR-related queries. **\*\*Preconditions:\*\*** Vendor is logged in. **\*\*Steps:\*\*** 1. Navigate to the HR-related queries section. 2. Check the layout and design of the interface for adding queries. **\*\*Expected Results:\*\*** The interface is user-friendly and intuitive for adding queries. **\*\*Priority:\*\*** Medium

**\*\*Performance Test Cases:\*\*** **\*\*Test Case ID:\*\*** ADDHRQ004 **\*\*Description:\*\*** Test the performance of adding multiple predefined HR-related queries simultaneously. **\*\*Preconditions:\*\*** Vendor is logged in. **\*\*Steps:\*\*** 1. Navigate to the HR-related queries section. 2. Add multiple predefined HR-related queries and options provided by Axis at the same time. **\*\*Expected Results:\*\*** The system can handle adding multiple queries without any performance issues. **\*\*Priority:\*\*** Medium

**\*\*Security Test Cases:\*\*** **\*\*Test Case ID:\*\*** ADDHRQ005 **\*\*Description:\*\*** Check for any security vulnerabilities while adding predefined HR-related queries. **\*\*Preconditions:\*\*** Vendor is logged in. **\*\*Steps:\*\*** 1. Add predefined HR-related queries and options provided by Axis. 2. Inspect for any security loopholes or vulnerabilities. **\*\*Expected Results:\*\*** The system is secure and no vulnerabilities are found while adding queries. **\*\*Priority:\*\*** High

**\*\*Combination Test Cases:\*\*** **\*\*Test Case ID:\*\*** ADDHRQ006 **\*\*Description:\*\*** Add predefined HR-related queries and options provided by Axis in different languages. **\*\*Preconditions:\*\*** Vendor is logged in. **\*\*Steps:\*\*** 1. Navigate to the HR-related queries section. 2. Add predefined HR-related queries and options provided by Axis in English. 3. Repeat the process for other languages such as Spanish, French, etc. **\*\*Expected Results:\*\*** Queries are successfully added in different languages without any issues. **\*\*Priority:\*\*** Medium

## **User Story 4**

As an vendor (Focaloid), I want the bot to validate employees using a backend database or an API provided by Axis MF, so that only authorized users can access HR services.

### **Test Cases:**

#### **Test Case 1:**

**\*\*Positive Test Cases:\*\*** **\*\*Test Case ID:\*\*** 001 **\*\*Description:\*\*** Validate employee using backend database. **\*\*Preconditions:\*\*** Backend database is connected and employee data is accurate. **\*\*Steps:\*\*** 1. Enter valid employee details. 2. Click on the validate button. **\*\*Expected Results:\*\*** Employee is successfully validated and granted access to HR services. **\*\*Priority:\*\*** High

**\*\*Test Case ID:\*\*** 002 **\*\*Description:\*\*** Validate employee using API provided by Axis MF. **\*\*Preconditions:\*\*** API connection is established and valid. **\*\*Steps:\*\*** 1. Enter valid employee details. 2. Click on the validate button. **\*\*Expected Results:\*\*** Employee is successfully validated using the API and granted access to HR services. **\*\*Priority:\*\*** High

**\*\*Validation Test Cases:\*\*** **\*\*Test Case ID:\*\*** 003 **\*\*Description:\*\*** Validate employee with incorrect details. **\*\*Preconditions:\*\*** Backend database or API is functional. **\*\*Steps:\*\*** 1. Enter incorrect employee details. 2. Click on the validate button. **\*\*Expected Results:\*\***

Employee validation fails and access to HR services is denied. **\*\*Priority:\*\*** Medium **\*\*Test Case ID:\*\*** 004 **\*\*Description:\*\*** Validate employee with missing details. **\*\*Preconditions:\*\*** Backend database or API is functional. **\*\*Steps:\*\*** 1. Enter incomplete employee details. 2. Click on the validate button. **\*\*Expected Results:\*\*** Employee validation fails and access to HR services is denied. **\*\*Priority:\*\*** Medium **\*\*UI/UX Test Cases:\*\*** **\*\*Test Case ID:\*\*** 005 **\*\*Description:\*\*** Check the appearance and responsiveness of the validation interface. **\*\*Preconditions:\*\*** Interface is loaded correctly. **\*\*Steps:\*\*** 1. Verify the layout and design of the validation form. 2. Test the responsiveness on different screen sizes. **\*\*Expected Results:\*\*** The interface is visually appealing and responsive across various devices. **\*\*Priority:\*\*** Medium **\*\*Performance Test Cases:\*\*** **\*\*Test Case ID:\*\*** 006 **\*\*Description:\*\*** Test the response time of the employee validation process. **\*\*Preconditions:\*\*** Backend database or API is functional under normal load. **\*\*Steps:\*\*** 1. Validate multiple employees simultaneously. **\*\*Expected Results:\*\*** The validation process should be fast and efficient even under load. **\*\*Priority:\*\*** High **\*\*Security Test Cases:\*\*** **\*\*Test Case ID:\*\*** 007 **\*\*Description:\*\*** Test for any vulnerabilities in the validation process. **\*\*Preconditions:\*\*** Backend database or API has secure access. **\*\*Steps:\*\*** 1. Attempt to bypass the validation process using invalid methods. **\*\*Expected Results:\*\*** The system should not allow unauthorized access to HR services. **\*\*Priority:\*\*** High **\*\*Combination Test Cases:\*\*** **\*\*Test Case ID:\*\*** 008 **\*\*Description:\*\*** Validate employee using both backend database and API simultaneously. **\*\*Preconditions:\*\*** Both backend database and API are connected and functional. **\*\*Steps:\*\*** 1. Enter valid employee details. 2. Click on the validate button. **\*\*Expected Results:\*\*** Employee is successfully validated using both methods and granted access to HR services. **\*\*Priority:\*\*** High

## User Story 5

As a system administrator, I want to ensure the bot follows compliance regulations, so that employee data is secure.

### Test Cases:

#### Test Case 1:

**\*\*Positive Test Cases:\*\*** **\*\*TC001 -\*\*** Verify that the bot adheres to all compliance regulations set by the company. - **\*\*Preconditions:\*\*** The compliance regulations are defined and configured in the system. - **\*\*Steps:\*\*** Check the bot's behavior against the defined compliance regulations. - **\*\*Expected Results:\*\*** The bot should strictly follow the compliance regulations without any violations. - **\*\*Priority:\*\*** High **\*\*Validation (Negative/Edge Case) Test Cases:\*\*** **\*\*TC002 -\*\*** Test the bot's behavior when a compliance regulation is violated. - **\*\*Preconditions:\*\*** A known compliance regulation is intentionally violated. - **\*\*Steps:\*\*** Trigger the violation and observe the bot's response. - **\*\*Expected Results:\*\*** The bot should flag the violation and provide an appropriate alert or notification. - **\*\*Priority:\*\*** High **\*\*UI/UX Test Cases:\*\*** **\*\*TC003 -\*\*** Verify that the compliance regulations are clearly displayed in the bot's interface. - **\*\*Preconditions:\*\*** Compliance regulations are defined and configured. - **\*\*Steps:\*\*** Navigate to the bot's interface and check for visibility of compliance regulations. - **\*\*Expected Results:\*\*** Compliance regulations should be prominently displayed for easy reference. - **\*\*Priority:\*\*** Medium **\*\*Performance Test Cases:\*\*** **\*\*TC004 -\*\*** Test the bot's response time in enforcing compliance regulations. - **\*\*Preconditions:\*\*** Compliance regulations are actively being monitored. - **\*\*Steps:\*\*** Intentionally violate a compliance regulation and measure the bot's response time. - **\*\*Expected Results:\*\*** The bot should detect and flag the violation within an acceptable time frame. - **\*\*Priority:\*\*** Medium **\*\*Security Test Cases:\*\*** **\*\*TC005 -\*\*** Verify that the bot's communication channels are secure to prevent data breaches. - **\*\*Preconditions:\*\*** Compliance regulations include data security measures. - **\*\*Steps:\*\*** Monitor the bot's communication channels for any vulnerabilities. - **\*\*Expected Results:\*\***

The bot's communication channels should be encrypted and secure to prevent data breaches. -  
\*\*Priority:\*\* High \*\*Combination Test Cases:\*\* \*\*TC006\*\* - \*\*Test the bot's behavior when multiple compliance regulations are violated simultaneously. - \*\*Preconditions:\*\* Multiple known compliance regulations are intentionally violated. - \*\*Steps:\*\* Trigger the violations and observe the bot's response. - \*\*Expected Results:\*\* The bot should flag all violations and provide appropriate alerts for each violation. - \*\*Priority:\*\* High

## User Story 6

As an Vendor (Focaloid), I want the bot to support multiple employees simultaneously, so that all users receive timely responses.

### Test Cases:

#### Test Case 1:

\*\*Positive Test Cases:\*\* 1. \*\*TC01:\*\* Verify that the bot can handle interactions from multiple employees simultaneously. - \*\*Preconditions:\*\* Multiple employees are interacting with the bot. - \*\*Steps:\*\* Multiple employees send messages or requests to the bot simultaneously. - \*\*Expected Results:\*\* The bot should be able to respond to each employee's query promptly and accurately.  
\*\*Validation (Negative/Edge Case) Test Cases:\*\* 1. \*\*TC02:\*\* Test the bot's limit by sending messages from a large number of employees simultaneously. - \*\*Preconditions:\*\* A large number of employees are interacting with the bot. - \*\*Steps:\*\* Send messages from a significant number of employees to the bot at the same time. - \*\*Expected Results:\*\* Ensure the bot can handle a high load and respond to each query without crashing or slowing down significantly. \*\*UI/UX Test Cases:\*\* 1. \*\*TC03:\*\* Verify that the bot interface clearly indicates when multiple employees are interacting simultaneously. - \*\*Preconditions:\*\* Multiple employees are interacting with the bot. - \*\*Steps:\*\* Observe the bot interface to see if it displays notifications or indicators when multiple employees are engaging with the bot. - \*\*Expected Results:\*\* The interface should clearly show when multiple employees are active, ensuring smooth communication. \*\*Performance Test Cases:\*\* 1. \*\*TC04:\*\* Test the response time of the bot when handling multiple interactions simultaneously. - \*\*Preconditions:\*\* Multiple employees are interacting with the bot. - \*\*Steps:\*\* Measure the response time of the bot when handling queries from multiple employees concurrently. - \*\*Expected Results:\*\* The bot should respond promptly to maintain timely communication with all users. \*\*Security Test Cases:\*\* 1. \*\*TC05:\*\* Verify that the bot maintains data privacy and security when handling interactions from multiple employees. - \*\*Preconditions:\*\* Multiple employees are interacting with the bot. - \*\*Steps:\*\* Ensure that the bot does not disclose sensitive information from one employee to another during simultaneous interactions. - \*\*Expected Results:\*\* The bot should maintain data privacy and security by segregating conversations and information between different users. \*\*Combination Test Cases:\*\* 1. \*\*TC06:\*\* Test the bot's performance under high load while maintaining data privacy. - \*\*Preconditions:\*\* A large number of employees are interacting with the bot. - \*\*Steps:\*\* Send messages from multiple employees simultaneously and check if the bot responds promptly while ensuring data privacy. - \*\*Expected Results:\*\* The bot should handle high load efficiently without compromising data privacy and security.

## User Story 7

As a vendor (Focaloid), I want the bot to have a scalable architecture, so that future integrations (like live chat and third-party API connections) are possible.

## **Test Cases:**

### **Test Case 1:**

**\*\*Positive Test Cases:\*\*** **\*\*Test Case ID:\*\*** 001 **\*\*Description:\*\*** Verify if the bot architecture can handle future integrations like live chat. **\*\*Preconditions:\*\*** The bot is running and ready for integration. **\*\*Steps:\*\*** 1. Integrate live chat functionality with the bot. 2. Confirm that the bot can handle live chat interactions seamlessly. **\*\*Expected Results:\*\*** The bot successfully integrates with live chat without any issues. **\*\*Priority:\*\*** High **\*\*Test Case ID:\*\*** 002 **\*\*Description:\*\*** Verify if the bot architecture can handle third-party API connections. **\*\*Preconditions:\*\*** The bot is running and ready for integration. **\*\*Steps:\*\*** 1. Connect the bot to a third-party API. 2. Test the bot's ability to send and receive data from the API. **\*\*Expected Results:\*\*** The bot successfully connects to the third-party API and can exchange data without errors. **\*\*Priority:\*\*** High **\*\*Validation Test Cases:\*\*** **\*\*Test Case ID:\*\*** 003 **\*\*Description:\*\*** Test the bot's architecture scalability with multiple live chat integrations. **\*\*Preconditions:\*\*** The bot is running and integrated with one live chat platform. **\*\*Steps:\*\*** 1. Integrate the bot with multiple live chat platforms simultaneously. 2. Test the bot's performance and responsiveness with multiple live chat interactions. **\*\*Expected Results:\*\*** The bot should handle multiple live chat integrations without any performance degradation or errors. **\*\*Priority:\*\*** Medium **\*\*UI/UX Test Cases:\*\*** **\*\*Test Case ID:\*\*** 004 **\*\*Description:\*\*** Verify the user experience when integrating live chat with the bot. **\*\*Preconditions:\*\*** The bot is running and integrated with live chat. **\*\*Steps:\*\*** 1. Initiate a live chat conversation with the bot. 2. Observe the chat interface, response times, and overall user experience. **\*\*Expected Results:\*\*** The live chat integration should provide a seamless and user-friendly experience for both the vendor and end-users. **\*\*Priority:\*\*** Medium **\*\*Performance Test Cases:\*\*** **\*\*Test Case ID:\*\*** 005 **\*\*Description:\*\*** Test the bot's performance under heavy load during live chat interactions. **\*\*Preconditions:\*\*** The bot is integrated with live chat and experiencing heavy traffic. **\*\*Steps:\*\*** 1. Simulate multiple concurrent live chat interactions with the bot. 2. Monitor the bot's response time and resource utilization. **\*\*Expected Results:\*\*** The bot should maintain optimal performance levels even under heavy load, with minimal impact on response times. **\*\*Priority:\*\*** High **\*\*Security Test Cases:\*\*** **\*\*Test Case ID:\*\*** 006 **\*\*Description:\*\*** Verify the security measures in place for third-party API connections. **\*\*Preconditions:\*\*** The bot is connected to a third-party API. **\*\*Steps:\*\*** 1. Send sensitive data through the bot to the connected API. 2. Monitor data encryption, transmission, and storage practices. **\*\*Expected Results:\*\*** The bot should ensure secure handling of sensitive data during API interactions, following industry standards for data protection. **\*\*Priority:\*\*** High **\*\*Combination Test Cases:\*\*** **\*\*Test Case ID:\*\*** 007 **\*\*Description:\*\*** Test the bot's performance and security during simultaneous live chat and API interactions. **\*\*Preconditions:\*\*** The bot is integrated with both live chat and a third-party API. **\*\*Steps:\*\*** 1. Initiate live chat interactions while exchanging data with the API. 2. Monitor performance metrics and data security protocols. **\*\*Expected Results:\*\*** The bot should maintain optimal performance levels and data security standards while handling multiple integrations concurrently. **\*\*Priority:\*\*** High

## **User Story 8**

As a vendor (Focaloid), I want to set up the server for hosting the application, so that the application is securely deployed, scalable, and accessible to end-users.

## **Test Cases:**

### **Test Case 1:**

**\*\*Positive Test Cases:\*\*** **\*\*Test Case ID:\*\*** Vendor\_SetupServer\_Positive\_001 **\*\*Description:\*\*** Verify that the server setup process is successful. **\*\*Preconditions:\*\*** Vendor has necessary access rights and resources to set up the server. **\*\*Steps:\*\*** 1. Vendor initiates the server setup process. 2. Vendor configures server settings, security measures, and scalability options. 3. Vendor completes the setup process. **\*\*Expected Result:\*\*** Server setup is successful without any errors. **\*\*Priority:\*\*** High

**\*\*Validation (Negative/Edge Case) Test Cases:\*\*** **\*\*Test Case ID:\*\***

Vendor\_SetupServer\_Validation\_001 **\*\*Description:\*\*** Verify error message when server setup fails due to insufficient resources. **\*\*Preconditions:\*\*** Vendor does not have enough resources to set up the server. **\*\*Steps:\*\*** 1. Vendor initiates the server setup process. 2. Vendor tries to configure server settings beyond available resources. **\*\*Expected Result:\*\*** Error message is displayed indicating insufficient resources for server setup. **\*\*Priority:\*\*** Medium **\*\*UI/UX Test Cases:\*\*** **\*\*Test Case ID:\*\***

Vendor\_SetupServer\_UIUX\_001 **\*\*Description:\*\*** Verify the user interface for server setup is intuitive and user-friendly. **\*\*Preconditions:\*\*** Vendor has access to the server setup interface. **\*\*Steps:\*\*** 1. Vendor navigates to the server setup page. 2. Vendor interacts with the UI elements to configure server settings. **\*\*Expected Result:\*\*** UI elements are well-designed, labeled correctly, and easy to navigate. **\*\*Priority:\*\*** Medium **\*\*Performance Test Cases:\*\*** **\*\*Test Case ID:\*\***

Vendor\_SetupServer\_Performance\_001 **\*\*Description:\*\*** Verify the performance of the server setup process under heavy load. **\*\*Preconditions:\*\*** Multiple vendors are simultaneously setting up servers. **\*\*Steps:\*\*** 1. Multiple vendors initiate the server setup process concurrently. 2. Monitor the time taken for each setup process to complete. **\*\*Expected Result:\*\*** Server setup process remains efficient and does not significantly slow down under heavy load. **\*\*Priority:\*\*** High **\*\*Security Test Cases:\*\*** **\*\*Test Case ID:\*\***

Vendor\_SetupServer\_Security\_001 **\*\*Description:\*\*** Verify that the server setup process includes necessary security measures. **\*\*Preconditions:\*\*** Vendor initiates the server setup process. **\*\*Steps:\*\*** 1. Vendor configures secure access controls, firewalls, and encryption during setup. 2. Check if security measures are applied correctly. **\*\*Expected Result:\*\*** Server setup includes robust security measures to protect against unauthorized access. **\*\*Priority:\*\*** High **\*\*Combination Test Cases:\*\*** **\*\*Test Case ID:\*\***

Vendor\_SetupServer\_Combination\_001 **\*\*Description:\*\*** Verify server setup with different configurations under heavy load. **\*\*Preconditions:\*\*** Multiple vendors with varying server setup requirements. **\*\*Steps:\*\*** 1. Vendors with different configurations initiate the server setup process concurrently. 2. Monitor the performance and security of each setup. **\*\*Expected Result:\*\*** Servers are successfully set up with diverse configurations while maintaining performance and security under heavy load. **\*\*Priority:\*\*** High

## **User Story 9**

As a vendor (Focaloid), I want to set up a new database that is identical to the one used for investor or distributor services, so that we can reuse it for the HR bot.

## **Test Cases:**

### **Test Case 1:**

**### Positive Test Cases:** **\*\*Test Case ID:\*\*** 001 **\*\*Description:\*\*** Verify that the vendor (Focaloid) can set up a new database identical to the one used for investor or distributor services. **\*\*Preconditions:\*\*** Vendor has access to the necessary tools and permissions. **\*\*Steps:\*\*** 1. Log in to the database management system. 2. Create a new database with the same schema as the one used for investor or

distributor services. 3. Import relevant data or create sample data if needed. 4. Verify that the database setup is successful. **\*\*Expected Results:\*\*** The new database is created successfully with identical schema and data as the one used for investor or distributor services. **### Validation Test Cases:** **\*\*Test Case ID:\*\*** 002 **\*\*Description:\*\*** Verify that the vendor (Focaloid) cannot set up a new database without necessary permissions. **\*\*Preconditions:\*\*** Vendor does not have required permissions to create a new database. **\*\*Steps:\*\*** 1. Log in to the database management system. 2. Attempt to create a new database with the same schema as the one used for investor or distributor services. 3. Note any error messages or warnings displayed. **\*\*Expected Results:\*\*** Creation of the new database fails due to insufficient permissions. **### UI/UX Test Cases:** **\*\*Test Case ID:\*\*** 003 **\*\*Description:\*\*** Verify that the user interface for setting up a new database is user-friendly and intuitive. **\*\*Preconditions:\*\*** Vendor has access to the database management system. **\*\*Steps:\*\*** 1. Navigate to the option for creating a new database. 2. Ensure that all necessary fields and options are clearly labeled. 3. Follow the steps to set up a new database. 4. Evaluate the overall user experience in setting up the database. **\*\*Expected Results:\*\*** The user interface for setting up a new database is easy to navigate and understand. **### Performance Test Cases:** **\*\*Test Case ID:\*\*** 004 **\*\*Description:\*\*** Verify the performance of setting up a new database with a large amount of data. **\*\*Preconditions:\*\*** Vendor has a large dataset to import into the new database. **\*\*Steps:\*\*** 1. Create a new database with a large dataset. 2. Measure the time taken to set up the database. 3. Monitor system resources during the database setup process. **\*\*Expected Results:\*\*** The new database is set up within a reasonable timeframe without significantly impacting system performance. **### Security Test Cases:** **\*\*Test Case ID:\*\*** 005 **\*\*Description:\*\*** Verify that appropriate security measures are in place during the database setup process. **\*\*Preconditions:\*\*** Vendor is setting up the database in a secure environment. **\*\*Steps:\*\*** 1. Ensure that the database setup process encrypts sensitive data. 2. Implement access control mechanisms to restrict unauthorized access to the database. 3. Conduct security testing to identify and address any vulnerabilities. **\*\*Expected Results:\*\*** The database setup process adheres to security best practices to protect sensitive data. **### Combination Test Cases:** **\*\*Test Case ID:\*\*** 006 **\*\*Description:\*\*** Verify the database setup process with different types of data and configurations. **\*\*Preconditions:\*\*** Vendor has varying datasets and configurations to test. **\*\*Steps:\*\*** 1. Create multiple new databases with different types of data (structured, unstructured, etc.). 2. Test different schema configurations during the database setup process. 3. Evaluate the performance and security implications of these variations. **\*\*Expected Results:\*\*** The database setup process is flexible enough to accommodate different types of data and configurations effectively.

## User Story 10

As a vendor (Focaloid), I want to authenticate Axis admin users to the backend admin panel, so that can manage and edit menus and messages on the admin panel.

### Test Cases:

#### Test Case 1:

**\*\*Positive Test Cases:\*\*** **\*\*Test Case ID:\*\*** VENDOR\_AUTH\_001 **\*\*Description:\*\*** Verify successful authentication of Axis admin users. **\*\*Preconditions:\*\*** Vendor is logged into the backend admin panel. **\*\*Steps:\*\*** 1. Enter valid Axis admin username. 2. Enter valid password. 3. Click on the "Login" button. **\*\*Expected Results:\*\*** Vendor is successfully authenticated and gains access to the admin panel for managing menus and messages. **\*\*Priority:\*\*** High **\*\*Validation Test Cases:\*\*** **\*\*Test Case ID:\*\*** VENDOR\_AUTH\_002 **\*\*Description:\*\*** Verify authentication failure with invalid credentials. **\*\*Preconditions:\*\*** Vendor is logged into the backend admin panel. **\*\*Steps:\*\*** 1. Enter invalid Axis admin username. 2. Enter invalid password. 3. Click on the "Login" button. **\*\*Expected Results:\*\***



Authentication fails and an error message is displayed indicating incorrect credentials. **\*\*Priority:\*\* High**

**\*\*UI/UX Test Cases:\*\***

**\*\*Test Case ID:\*\*** **VENDOR\_AUTH\_003** **\*\*Description:\*\*** Verify the appearance of the login page for Axis admin users. **\*\*Preconditions:\*\*** Vendor is on the login page of the backend admin panel. **\*\*Steps:\*\*** 1. Check the layout and design of the login page. **\*\*Expected Results:\*\*** The login page should have a clean and user-friendly design with input fields for username and password, along with a login button. **\*\*Priority:\*\*** Medium

**\*\*Performance Test Cases:\*\***

**\*\*Test Case ID:\*\*** **VENDOR\_AUTH\_004** **\*\*Description:\*\*** Test the response time for authenticating Axis admin users. **\*\*Preconditions:\*\*** Vendor is logged into the backend admin panel. **\*\*Steps:\*\*** 1. Measure the time taken to authenticate with valid credentials. **\*\*Expected Results:\*\*** The authentication process should be quick and responsive. **\*\*Priority:\*\*** Medium

**\*\*Security Test Cases:\*\***

**\*\*Test Case ID:\*\*** **VENDOR\_AUTH\_005** **\*\*Description:\*\*** Verify security measures in place for Axis admin user authentication. **\*\*Preconditions:\*\*** Vendor is on the login page of the backend admin panel. **\*\*Steps:\*\*** 1. Attempt to login with SQL injection in username or password fields. **\*\*Expected Results:\*\*** The system should prevent SQL injection attacks and securely authenticate users. **\*\*Priority:\*\*** High

**\*\*Combination Test Cases:\*\***

**\*\*Test Case ID:\*\*** **VENDOR\_AUTH\_006** **\*\*Description:\*\*** Verify authentication with various combinations of valid and invalid credentials. **\*\*Preconditions:\*\*** Vendor is logged into the backend admin panel. **\*\*Steps:\*\*** 1. Enter valid username and invalid password. 2. Enter invalid username and valid password. 3. Enter invalid username and password. 4. Enter valid username and password. **\*\*Expected Results:\*\*** The system should authenticate properly with valid credentials and fail with invalid ones. **\*\*Priority:\*\*** High

## User Story 11

As a vendor (Focaloid), I want to clone the existing investor services codebase, so that I can make the necessary minor modifications for the HR Bot project.

### Test Cases:

#### Test Case 1:

**### Positive Test Cases:** **\*\*TC\_001:\*\*** **\*\*Description:\*\*** Vendor successfully clones the existing investor services codebase for HR Bot project. **\*\*Preconditions:\*\*** Vendor has access to the existing investor services codebase. **\*\*Steps:\*\*** 1. Vendor selects the option to clone the codebase. 2. Vendor makes necessary modifications for HR Bot project. **\*\*Expected Results:\*\*** Codebase is successfully cloned and modifications are made for HR Bot project. **\*\*Priority:\*\*** High

**### Validation Test Cases:** **\*\*TC\_002:\*\*** **\*\*Description:\*\*** Vendor does not have access to the existing investor services codebase. **\*\*Preconditions:\*\*** Vendor does not have access to the existing investor services codebase. **\*\*Steps:\*\*** 1. Vendor attempts to clone the codebase. **\*\*Expected Results:\*\*** Error message indicating lack of access to codebase. **\*\*Priority:\*\*** High

**### UI/UX Test Cases:** **\*\*TC\_003:\*\*** **\*\*Description:\*\*** Check if the user interface for cloning the codebase is user-friendly. **\*\*Preconditions:\*\*** Vendor is on the codebase cloning page. **\*\*Steps:\*\*** 1. Vendor navigates through the cloning process. **\*\*Expected Results:\*\*** Intuitive and easy-to-navigate user interface. **\*\*Priority:\*\*** Medium

**### Performance Test Cases:** **\*\*TC\_004:\*\*** **\*\*Description:\*\*** Test the time taken to clone the codebase. **\*\*Preconditions:\*\*** Vendor has access to the codebase and network connection is stable. **\*\*Steps:\*\*** 1. Vendor initiates the cloning process. **\*\*Expected Results:\*\*** Cloning process completes within acceptable time limits. **\*\*Priority:\*\*** Medium

**### Security Test Cases:** **\*\*TC\_005:\*\*** **\*\*Description:\*\*** Verify that only authorized vendors can clone the codebase. **\*\*Preconditions:\*\*** Vendor authentication is required for cloning. **\*\*Steps:\*\*** 1. Unauthorized user attempts to clone the codebase. **\*\*Expected Results:\*\*** Unauthorized access is denied. **\*\*Priority:\*\*** High

**### Combination Test Cases:** **\*\*TC\_006:\*\*** **\*\*Description:\*\*** Test cloning codebase with and without necessary modifications. **\*\*Preconditions:\*\*** Vendor has access to the

codebase. **\*\*Steps:\*\*** 1. Vendor clones the codebase without modifications. 2. Vendor clones the codebase and makes necessary modifications. **\*\*Expected Results:\*\*** Codebase is successfully cloned in both scenarios. **\*\*Priority:\*\*** High