Shell Technical Foundation Case Study

Epic and User Story Specifications

# OrangeHRM

## Epic: User Management in OrangeHRM

**Epic Description:** As an Admin, I want to efficiently manage user accounts within the OrangeHRM system, including adding new users, editing user details, assigning roles, deactivating accounts, and viewing user activity logs. This will ensure that the system is secure, up-to-date, and that user activities are monitored for compliance.

**Benefit Hypothesis:** By implementing comprehensive user management features, OrangeHRM can enhance the security, accuracy, and efficiency of its HR management processes. Admins will be able to manage user accounts effectively, ensuring that only authorized users have access to the system and that user activities are tracked and monitored.

**Acceptance Criteria:**

* The system should allow Admins to add new users with valid details.
* The system should enable Admins to edit existing user details.
* The system should allow Admins to assign specific roles to users.
* The system should enable Admins to deactivate and reactivate user accounts.
* The system should provide Admins with access to user activity logs, including filtering and exporting options.

## User Story 1: Add New User

**Description:** As an Admin, I want to add new users to the system so that new employees can access the OrangeHRM platform with the appropriate permissions. **Feature:** User Management - Add New User  
**Benefit Hypothesis:** By allowing Admins to add new users to the system, OrangeHRM can ensure that new employees have timely access to the platform, improving onboarding efficiency and productivity.

**Tasks:**

1. **Requirement Analysis:**
   * Task: Gather and document requirements for adding new users, including mandatory fields and validation rules.
   * Description: Conduct meetings with stakeholders to understand the requirements for adding new users to the system. Document the required fields, validation rules, and any special conditions.
2. **Design:**
   * Task: Design the user interface for the ‘Add User’ feature.
   * Description: Create wireframes and mockups for the ‘Add User’ form, ensuring it includes all necessary fields and validation messages.
3. **Development:**
   * Task: Implement the ‘Add User’ functionality in the system.
   * Description: Develop the backend and frontend components required to add a new user, including form validation and database integration.
4. **Testing:**
   * Task: Test the ‘Add User’ functionality.
   * Description: *Create and execute test cases* to verify that the ‘Add User’ feature works as expected, including edge cases and error handling.
5. **Deployment:**
   * Task: Deploy the ‘Add User’ feature to the production environment.
   * Description: Prepare deployment scripts and documentation, and deploy the new feature to the live system. Monitor the deployment for any issues.

**Acceptance Criteria:**

* The system should allow the Admin to add a new user with valid details.
* It should display an error message if the username already exists.
* The system must require all mandatory fields to be filled before saving.
* It should support usernames with special characters and long usernames.
* The new user should be able to log in with the provided credentials after being added.

## User Story 2: Edit User Details

**Description:** As an Admin, I want to edit the details of existing users so that I can update their information, such as job title, department, or contact details.

**Feature:** User Management - Edit User Details  
**Benefit Hypothesis:** By enabling Admins to edit user details, OrangeHRM can maintain accurate and up-to-date employee information, which is crucial for effective HR management and communication.

**Tasks:**

1. **Requirement Analysis:**
   * Task: Gather and document requirements for editing user details.
   * Description: Conduct meetings with stakeholders to understand the requirements for editing user details, including which fields can be updated and any validation rules.
2. **Design:**
   * Task: Design the user interface for the ‘Edit User Details’ feature.
   * Description: Create wireframes and mockups for the ‘Edit User Details’ form, ensuring it includes all necessary fields and validation messages.
3. **Development:**
   * Task: Implement the ‘Edit User Details’ functionality in the system.
   * Description: Develop the backend and frontend components required to edit user details, including form validation and database updates.
4. **Testing:**
   * Task: Test the ‘Edit User Details’ functionality.
   * Description: Create and execute test cases to verify that the ‘Edit User Details’ feature works as expected, including edge cases and error handling.
5. **Deployment:**
   * Task: Deploy the ‘Edit User Details’ feature to the production environment.
   * Description: Prepare deployment scripts and documentation, and deploy the new feature to the live system. Monitor the deployment for any issues.

**Acceptance Criteria:**

* The system should allow the Admin to edit user details successfully.
* It should display an error message if mandatory fields are left blank while editing.
* The system must allow the Admin to change the user’s role.
* It should support updating the user’s contact information.
* The system must handle special characters in user details.

## User Story 3: Assign User Roles

**Description:** As an Admin, I want to assign specific roles to users so that they have the correct access levels and permissions based on their job responsibilities.

**Feature:** User Management - Assign User Roles  
**Benefit Hypothesis:** By allowing Admins to assign specific roles to users, OrangeHRM can ensure that employees have the correct access levels and permissions, enhancing security and role-based functionality.

**Tasks:**

1. **Requirement Analysis:**
   * Task: Gather and document requirements for assigning user roles.
   * Description: Conduct meetings with stakeholders to understand the requirements for assigning user roles, including the different roles and their permissions.
2. **Design:**
   * Task: Design the user interface for the ‘Assign User Roles’ feature.
   * Description: Create wireframes and mockups for the ‘Assign User Roles’ form, ensuring it includes all necessary fields and validation messages.
3. **Development:**
   * Task: Implement the ‘Assign User Roles’ functionality in the system.
   * Description: Develop the backend and frontend components required to assign user roles, including role validation and database updates.
4. **Testing:**
   * Task: Test the ‘Assign User Roles’ functionality.
   * Description: Create and execute test cases to verify that the ‘Assign User Roles’ feature works as expected, including edge cases and error handling.
5. **Deployment:**
   * Task: Deploy the ‘Assign User Roles’ feature to the production environment.
   * Description: Prepare deployment scripts and documentation, and deploy the new feature to the live system. Monitor the deployment for any issues.

**Acceptance Criteria:**

* The system should allow the Admin to assign a role to a user.
* It should display an error message if an invalid role is assigned.
* The system must allow the Admin to change the user’s role from Employee to Admin.
* It should support assigning multiple roles to a user.
* The system must allow the Admin to remove a role from a user.

## User Story 4: Deactivate User Account

**Description:** As an Admin, I want to deactivate user accounts so that former employees or users who no longer need access are removed from the system.

**Feature:** User Management - Deactivate User Account  
**Benefit Hypothesis:** By enabling Admins to deactivate user accounts, OrangeHRM can ensure that only current employees have access to the system, enhancing security and reducing unauthorized access.

**Tasks:**

1. **Requirement Analysis:**
   * Task: Gather and document requirements for deactivating user accounts.
   * Description: Conduct meetings with stakeholders to understand the requirements for deactivating user accounts, including any confirmation prompts and logging requirements.
2. **Design:**
   * Task: Design the user interface for the ‘Deactivate User Account’ feature.
   * Description: Create wireframes and mockups for the ‘Deactivate User Account’ form, ensuring it includes all necessary fields and validation messages.
3. **Development:**
   * Task: Implement the ‘Deactivate User Account’ functionality in the system.
   * Description: Develop the backend and frontend components required to deactivate user accounts, including confirmation prompts and database updates.
4. **Testing:**
   * Task: Test the ‘Deactivate User Account’ functionality.
   * Description: Create and execute test cases to verify that the ‘Deactivate User Account’ feature works as expected, including edge cases and error handling.
5. **Deployment:**
   * Task: Deploy the ‘Deactivate User Account’ feature to the production environment.
   * Description: Prepare deployment scripts and documentation, and deploy the new feature to the live system. Monitor the deployment for any issues.

**Acceptance Criteria:**

* The system should allow the Admin to deactivate a user account.
* It must display a confirmation prompt before deactivation.
* The deactivated user should not be able to log in to the system.
* The system should allow the Admin to reactivate a deactivated user account.
* It must log the deactivation action in the system.

## User Story 5: View User Activity Logs

**Description:** As an Admin, I want to view user activity logs so that I can monitor their actions and ensure compliance with company policies.

**Feature:** User Management - View User Activity Logs  
**Benefit Hypothesis:** By providing Admins with access to user activity logs, OrangeHRM can enhance monitoring and compliance, ensuring that user actions are tracked and any suspicious activities are identified promptly.

**Tasks:**

1. **Requirement Analysis:**
   * Task: Gather and document requirements for viewing user activity logs.
   * Description: Conduct meetings with stakeholders to understand the requirements for viewing user activity logs, including filter criteria and export options.
2. **Design:**
   * Task: Design the user interface for the ‘View User Activity Logs’ feature.
   * Description: Create wireframes and mockups for the ‘View User Activity Logs’ form, ensuring it includes all necessary fields and validation messages.
3. **Development:**
   * Task: Implement the ‘View User Activity Logs’ functionality in the system.
   * Description: Develop the backend and frontend components required to view user activity logs, including filtering and exporting options.
4. **Testing:**
   * Task: Test the ‘View User Activity Logs’ functionality.
   * Description: Create and execute test cases to verify that the ‘View User Activity Logs’ feature works as expected, including edge cases and error handling.
5. **Deployment:**
   * Task: Deploy the ‘View User Activity Logs’ feature to the production environment.
   * Description: Prepare deployment scripts and documentation, and deploy the new feature to the live system. Monitor the deployment for any issues.

**Acceptance Criteria:**

* The system should allow the Admin to view user activity logs.
* It must display an error message if no logs are found for the filter criteria.
* The system should allow the Admin to export user activity logs.
* It must support filtering logs by user or date.
* The system should provide detailed reports on user activities.