**AIRMS**

Solution Design Document

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# Overview

## 1.1 Purpose

This document defines the **AIRMS** system graphical interface design in the scope of recruitment with accuracy.

## 1.2 Scope

This document is the Graphical Interface Design Document for the **AIRMS** system. The purpose of this document is to present the design approach for the graphical interface of the **AIRMS** system web application.

The primary intended audience of this document are system designers. The document intents to provide the design details of the system design to be followed during the development of the respective application. The document may need to be updated later to incorporate possible changes during development.

**1.3 Abbreviations and acronyms**

A list of the principal abbreviations and acronyms used in the document is provided here for a better understanding of this document.

|  |  |
| --- | --- |
| **Abbreviation** | **Definition** |
| AIRMS | Artificial Intelligence Recruitment Management System. This the full solution |
| Web Interface | The web application designed to do any manual intervention |
| AI Interface | This is automated interface to handle the any emails or attached from the client and candidate |

# AI Interface

## Emails with CV without Job reference

## CV without Job reference

## CV with Job reference

## Updates from Candidates

## Missing details from Candidate

## Availability & Rate details

## GDPR

## Updated CV

# Graphical Interface design

This section presents the graphical user interface of the **AIRMS** application that will have the form of a lightweight web application, where all functionalities are grouped visually and logically. The design provides for a responsive site that will work on both desktop and mobile tablet devices. The sections that follow contain mock views of a selection of the most important aspects of the GUI, along with textual descriptions of their purpose and contents.

## Login Screen

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **AttributeType** | **Additional Reports** |
| User name | Text box | Here the user name will be entered |
| Password | Text pass | Here password will be entered |
| Login button | Button | Button will be clicked to login |
| Sign up button link | Link | This link will be clicked to bring the sign-up screen |
| Forgot password link | Link | This link will be clicked to bring the forgot password screen |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Login | Clicking this function takes to the Dash board if user name and password are correct. | **Basic**  User name and password should not be blank.  **Password Expiry**  If the password is expired it should take it to change password Screen  **Captcha**  Multiple attempts of wrong user name and password will have to make sure Robot is trying  The number attempts to be considered for this will be configured in the configuration section of the screen.  **Unsuccessful Attempt**  Multipleattempts of wrong password should lock the user and will need to inform the user the account is locked. The flag locked in the user table will be set true  The number attempts to be considered for this will be configured in the configuration section of the screen  **Other checks**  If **Activated** flag is false in the user table, they will not be able to login  If **Valid From** field is not due yet in the user table, they will not be able to login  If the **Valid To** field is past in the user table, user will not be able login  If the locked flag is true in the user table, they will not be able to login |
| Forgot Password | This link is used to navigate to forgot password screen | **Basic**  User name should not be blank. |
| Sign Up | The candidate or client can be optionally signed up here | No validations |
| Others | Login functionality | Once login successfully, it will build the menu based on the role and display the dashboard accordingly |

## Screen Design

(The screen design is given for just a better understanding only. The designers are expected to make their own design and will be sending for the review)

|  |
| --- |
| Sing up here  Login  **User name:**  **Password:**  *Forgot password*  AIRMS LOGO |

## Change password Screen

This screen will be accessible only after the successful login. Usually it is accessible to all roles unless it manually changed.

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **Attribute Type** | **Additional Reports** |
| Current Password | Text box | User’s current password to be entered here |
| New Password | Text box | User’s new password to be entered here |
| Confirm New Password | Text box | User’s new password to be entered here for confirmation |
| Save | Button | Button to be pressed when user has entered all the three text boxes |
| Cancel | Link | Button when pressed takes the user to the dashboard (previous screen) |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Save | Clicking this function takes user to the Dashboard and also the new password is saved.  Also, an email is sent to the user to inform the changed password. | **Basic**  Current Password, New Password and Confirm new password textboxes should not be blank.  **Password Mismatch**  If the New password and the Confirm new password fields don’t match, a warning text “The passwords do not match. Please enter the same password” should be displayed in the screen.  **Password too short**  If new password entered by the user is less than 8 characters, show a warning text “Password too short!! Password should have a minimum of 8 characters”.  **Password Strength**  Password should have 1) mixture of both uppercase and lowercase letters and 2) a mixture of letters and numbers.   * Inclusion of at least one special character, e.g., @ #?]. Else display text “Please secure your account with a strong password”.   **Old Password alert**  If the New password is same as the old password, display the warning text “New password cannot be the same as Old Password”.  **Wrong Password**  A warning message “The current password is wrong” should be displayed when the entered Current Password is wrong.’’  **Note:**  After successful validations, an email is sent to the user to notify about the changed password.Also, it will update the user table. Message will be displayed to user saying password is changed. |
| Cancel | This button is link that will take the user back to the dashboard (previous screen ). | No Validations |

## Screen Design

(The screen design is given for just a better understanding only. The designers are expected to make their own design and will be sending for the review)

Change Password

Current Password

New Password

Confirm New Password

Cancel

Save

## Password Expired Screen

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **Attrbute Type** | **Additional Reports** |
| Current Password | Text box | User’s current password to be entered here |
| New Password | Text box | User’s new password to be entered here |
| Confirm new Password | Text box | User’s new password to be entered here for confirmation |
| Save | Button | Button to be pressed when user has entered all the three text boxes |
| Cancel | Link | Button when pressed takes the user to the Login screen (previous screen) |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Save | Clicking this function takes to the Dashboard and the new password is set. | **Basic**  Current Password, New Password and Confirm new password textboxes should not be blank.  **Password Mismatch**  If the New password and the Confirm new password fields don’t match, a warning text “The passwords do not match” should be displayed in the screen.  **Password too short**  If new password entered by the user is less than 8 characters, show a warning text “Password too short!! Password should have a minimum of 8 characters”.  **Password Strength**  Password should have 1) mixture of both uppercase and lowercase letters and 2) a mixture of letters and numbers.   * Inclusion of at least one special character, e.g., ! @ # ? ]. Else display text “Please secure your account with a strong password”.   **Old Password alert**  If the New password is same as the old password, display the warning text “New password cannot be the same as Old Password”.  **Wrong Password**  A warning message “The current password is wrong” should be displayed when the entered Current Password is wrong  **Note:**  After successful validations, an email is sent to the user to notify about the changed password. Also, it will update the user table. Message will be displayed to user saying password is changed. |
| Cancel | This button is link that will take the user back to the dashboard (previous screen ). | No Validations |

## Screen Design

(The screen design is given for just a better understanding only. The designers are expected to make their own design and will be sending for the review)

Password Expired

Your Password has expired. Please provide a new password.

Current Password

New Password

Confirm New Password

Cancel

Save

## Forgot password Screen

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **AttributeType** | **Additional Reports** |
| Email Address | Text box | User’s email address to be entered here |
| Reset Password button | Button | Button to be clicked once the email address is entered |
| Cancel | Link | Button when pressed takes the user to the Login screen (previous screen) |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Reset Password | Clicking this function sends the user an email with the instructions to follow and the ‘Password reset link’ to change the password.  The ‘Password reset link’ should take the user to ‘Reset Password Screen’. | **Basic**  Email address should not be blank.  **Incorrect Email Address**  If the entered Email address is not in the database or not valid, display a warning text “Incorrect Email address. Please enter a valid Email address”.  **Note:**  After successful validations, an email with the password reset link is sent to the user.  The ‘Password reset link’ should take the user to ‘Reset Password Screen’. |
| Cancel | This button is link that will take the user back to the dashboard (previous screen ). | No Validations |

## Screen Design

Forgot your Password?

Enter you Email

Cancel

Reset Password

## Reset Password Screen

## Attributes

The following screen will come up once the link sent in the email is clicked

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **AttributeType** | **Additional Reports** |
| New Password | Text box | User’s new password to be entered here |
| Confirm new Password | Text box | User’s new password to be entered here for confirmation |
| Reset Password button | Button | Button to be pressed when user has entered all the two text boxes |
| Cancel button | Button | Button to be pressed when the user needs to cancels the reset process. |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Reset Password | Clicking this function takes to the Dashboard and the new password is set. | **Basic**  New Password and Confirm new password textboxes should not be blank.  **Password Mismatch**  If the New password and the Confirm new password fields don’t match, a warning text “The passwords do not match. Please enter the same password” should be displayed in the screen.  **Password too short**  If new password entered by the user is less than 8 characters, show a warning text “Password too short!! Password should have a minimum of 8 characters”.  **Password Strength**  Password should have 1) mixture of both uppercase and lowercase letters and 2) a mixture of letters and numbers.   * Inclusion of at least one special character, e.g., ! @ # ? ]. Else display text “Please secure your account with a strong password”.   **Old Password alert**  If the New password is same as the old password, display the warning text “New password cannot be the same as Old Password”.  **Incorrect Email Address**  If the entered Email address is not in the database or not valid, display a warning text “Incorrect Email address. Please enter a valid Email address”.  **Note:**  After successful validations, an email is sent to the user to notify about the changed password. Also, it will update the user table. Message will be displayed to user saying password is changed.  This will also display the login screen. |
| Cancel | This button is link that will take the user back to the dashboard (previous screen ). | No Validations |

## Screen Design

Password Reset

Set a new password for your account

Email Address

New Password

Confirm New Password

Cancel

Reset Password

## Sign up Screen

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **AttributeType** | **Additional Reports** |
| Email address | Text box | Email address |
| First Name | Text box | User’s First Name to be entered here |
| Last Name | Text box | User’s Second Name to be entered here |
| Account type | Drop down list | Drop down list with the options: **Client** and **Candidate** |
| Enter Password | Text box | User’s new password to be entered here. |
| Confirm Password | Text box | User’s new password to be entered here for confirmation |
| Sign Up | Button | Button to be pressed when user has entered all the required data. |
| Cancel | Link | Button when pressed takes the user to the Login screen (previous screen) |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Sign Up | Clicking this button creates an account for the user with the entered details.  Also, an email is sent to the user for activation purposes. | **Basic**  None of the textboxes should be blank.    **Password Mismatch**  If the New password and the Confirm new password fields don’t match, a warning text “The passwords do not match” should be displayed in the screen.  **Password too short**  If new password entered by the user is less than 8 characters, show a warning text “Password too short!! Password should have a minimum of 8 characters”.  **Duplicate email address**  If the email entered by the user is already in the database, display a warning text “Email already in use”.  **Password Strength**  Password should have 1) mixture of both uppercase and lowercase letters and 2) a mixture of letters and numbers.   * Inclusion of at least one special character, e.g., ! @ # ? ]. Else display text “Please secure your account with a strong password”.   **Final action:**  Only after successful validation, an email with account activation link is triggered and sent to the user.  The user details will be saved to the user table. With the user type as candidate or client accordingly. The user role in the table also set accordingly. The activated flag will be false |
| Cancel | Takes the user to the login screen (previous screen) | When the button is pressed, the user is taken to the Login screen (previous screen). |
| Other | User should be able to login only after their account is activated by the link sent to their email. | Activation link have been clicked by the user before granting account access.  Once the activation link is clicked, the activated flag will be set to true so that user will be able to login from the home page. |

## Screen Design

Welcome!

Create your account!

First Name

Last Name

Account type Choose an item.

Enter Password

Confirm Password

Sign Up

Cancel

## Role Management

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **AttributeType** | **Additional Reports** |
| Role Name | Text box | Name of the role |
| Screen Mapping | Screen | This will let the user to display the all screens with the following options   * Add * Edit * Delete   Based on the above selection they will have appropriate access to the users |
| Delete | Button | Delete button |
| Cancel | Button | Cancel button |
| Save | Button | Save button |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Add |  | **Basic**  Make sure one admin user has access to user management screen with add and edit  No duplicate role names. |
| Edit |  | **Basic**  Make sure one admin user has access to user management screen with add and edit  No duplicate role name |
| Delete |  | Allow to delete the record only if no reference found in the user table. Otherwise it should not be allowed to delete |
| Others |  | The following are the default role should be created in the system at the beginning when it is setup.  Admin – Has access to all screen  Manager – Has access to all screen except user management  Candidate Consultant – Has access to all candidate related screen  Client Consultant – Has access to all client screen  Candidate view - Has access to all candidate related screen but view only  Client view- Has access to all client related to screen but view only  Client – Has access to only interview schedule change screen  Customer– Has access to only interview schedule change screen  However, this can be changed by Role screen if needed later according to the requirement |

## Screen Design

## User Management Screen

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **AttributeType** | **Additional Reports** |
| User name | Text box | Here the user name will be entered |
| Password | Text box | Here password will be entered |
| Re confirm Password | Text box | Just to make sure. Will not go to database. Just for display purpose |
| Email address | Text box | Email address |
| First Name | Text box | First Name |
| Second Name | Text box | Second Name |
| Valid from | Date | Defaults to system date but can be changed |
| Valid to | Date | Default to blank but can be entered any future date |
| Password expiry date | Date | Password expiry date |
| User type | Drop down | Employee  Client  Candidate |
| User Role | Drop down | Reference to Role table. |
| Activated | Boolean | This will not be visible in the screen. Default value is true. |
| Locked | Boolean | Default value is false. This should be visible in the screen. |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function**  **Name** | **Function**  **Description** | **Validations** |
| Add | Adding new user | **Basic**  User name should be unique and should not be blank  Usual password checks  Email address should be valid  If client or candidate is selected, it will also check the client or candidate table to make sure the email address exists. If not, it should give error message  If the client or candidate is selected, the role should be automatically put as Client or Candidate accordingly and vice versa  Mandatory fields should not be blank  Password expiry date should be calculated based on the configuration |
| Edit | Editing the user | **Basic**  All validation provided in the add section |
| Search | Search the details | Accept a text and bring the records wherever it matches |
| Others |  | By default, one user admin will be created with full access |

## Screen Design

## Dash board

## Attributes

## Functions

## Screen Design

|  |  |
| --- | --- |
|  | **Menu**  **Work Area**  **Navigation Pane** |

## Client Management Screen

## Attributes

## Functions

## Screen Design

## Job Opening Screen

## Attributes

## Functions

## Screen Design

## Candidate Screen

## Attributes

## Functions

## Screen Design

## Candidate Availability checks Screen

## Attributes

## Functions

## Screen Design

## Client Submission Screen

## Attributes

## Functions

## Screen Design

## Interview Schedule Screen

## Attributes

## Functions

## Screen Design

## Interview Re-schedule Screen

## Attributes

## Functions

## Screen Design

## Configurations

## Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute name** | **Screen used** | **Additional Reports** |
| Captcha count | Login screen | This will be used when multipleattempts made to login with wrong details  The default value is 2 |
| Wrong password count | Login screen | This will be used when multipleattempts made to login with wrong password  The default value is 5 |
|  |  |  |

## Functions

|  |  |  |
| --- | --- | --- |
| **Function name** | **Details** | **Validations** |
| Search | This will be used to search for the current parameters | None |
| Edit | This is used to modify the current value | Check the basic checks |
| Reset | This is used to revert back values to factory settings | It asks the admin user name and password |
| Reset All | This is used to revert back all values to factory settings | It asks the admin user name and password |

## Screen Design

## Auditing requirement

Every insert, delete modification should be saved into audit table

## Logout

# Data Analytics

# Automation / Batch Processing

# AI & Robotics

# Comments/ Future Considerations