Amadeus Marine Ltd. – Drawing Database

Functional Requirements

2021

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# Functional Requirements

## Users Management

### Business Requirements

* Provide a facility to maintain the user, role and permission details.

### Graphical User Interface

* View users record.

### Process and Control

1. Viewing the users.

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. | Administrator | Click “Users Management” from the Menu/Side Navigation bar. | Function will show the main index of users management. |
| 2. | Administrator | Select tab menu “User”. | Function will show the users record. |
|  |  |  |  |

1. Searching an users.

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. | Administrator | Type in the user details on the search field. | Function will show the user records that matches the text on the search field. |

1. Add new user.

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. | Administrator | Click “New User” button. | Function will show new user form. |
| 2. | Administrator | Fill-out the fields;   * Name (required) * Email (required, unique) * Role (required) | Fields will turn into red if its empty. |
| 3. |  | Click “Save” button. | Function will show the temporary random password |

1. Creating a method

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | On the “Methods” page, click the “New” button. | Function will show a blank “New Method” form. |
| 2. |  | Input the method name. | Function will check if the method name already exists. |
| 3. |  | Click the “Save” button to save the record | Function will check if data for the required field was provided or complies to the required data type. |
| 4. |  | Notify user for successful or unsuccessful operation |  |

1. Updating a method

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Click on a record in the “Methods” page. | Function will show the “Method Details” form. |
| 2. |  | Update the value under the “Name” textbox. | Function will check if the method name already exists. |
| 3. |  | Click the “Save” button to save the method name update. | Function will check if data for the required field was provided or complies to the required data type. |
| 4. |  | Notify user for successful or unsuccessful operation |  |
| 5. |  | Click the “+” button to add steps. | Function will show the “Steps” form. |
| 6. |  | Select a step from the “Step” dropdown textbox. | Function will check if the selected step already exists in the current method record. |
| 7. |  | Click the “Save” button to save the record | Function will hide the “Steps” form. |
| 8. |  | Notify user for successful or unsuccessful operation |  |
| 9. |  | Click the “-“ button to delete a step. | Function will provide confirmation. |
| 10. |  | Notify user for successful or unsuccessful operation |  |

1. Deleting a method

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | On the “Methods” page, choose a record and click on the “-“ button to delete the method. | Function will provide confirmation. |
| 2. |  | Notify user for successful or unsuccessful operation |  |

## Steps

### Business Requirements

* Provide a facility to maintain the step details.

### Process and Control

1. Viewing the steps

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Click “Steps” from the Menu/Navigation bar | Function will show the “Steps” page containing the list of its records. |

1. Searching a step

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Type in the step name on the search field then click the “Search” icon. | Function will show the step records that matches the text on the search field. |

1. Viewing a step record

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Select a step record to view by clicking on the record | Function will show its details on the “Step Details” form. |

1. Creating a step

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | On the “Steps” page, click the “New” button. | Function will show a blank “New Step” form. |
| 2. |  | Input the step name. | Function will check if the step name already exists. |
| 3. |  | Click the “Save” button to save the record | Function will check if data for the required field was provided or complies to the required data type. |
| 4. |  | Notify user for successful or unsuccessful operation |  |

1. Updating a step

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Click on a record in the “Steps” page. | Function will show the “Step Details” form. |
| 2. |  | Update the value under the “Name” textbox. | Function will check if the step name already exists. |
| 3. |  | Click the “Save” button to save the step name update. | Function will check if data for the required field was provided or complies to the required data type. |
| 4. |  | Notify user for successful or unsuccessful operation |  |

1. Deleting a step

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | On the “Steps” page, choose a record and click on the “-“ button to delete the step. | Function will provide confirmation. |
| 2. |  | Notify user for successful or unsuccessful operation |  |

## Remarks ROLA

### Business Requirements

* Provide a facility to maintain the ROLA remark details.

### Process and Control

1. Viewing the ROLA remarks

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Click “ROLA Remarks” from the Menu/Navigation bar | Function will show the “ROLA Remarks” page containing the list of its records. |

1. Searching a ROLA remark

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Type in the ROLA remark on the search field then click the “Search” icon. | Function will show the ROLA remark records that matches the text on the search field. |

1. Viewing a ROLA remark

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Select a ROLA remark record to view by clicking on the record | Function will show its details on the “ROLA Remark Details” form. |

1. Creating a ROLA remark

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | On the “ROLA Remarks” page, click the “New” button. | Function will show a blank “New ROLA Remark” form. |
| 2. |  | Input the ROLA remark. | Function will check if the ROLA remark already exists. |
| 3. |  | Click the “Save” button to save the record | Function will check if data for the required field was provided or complies to the required data type. |
| 4. |  | Notify user for successful or unsuccessful operation |  |

1. Updating a ROLA remark

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | Click on a record in the “ROLA Remarks” page. | Function will show the “ROLA Remark Details” form. |
| 2. |  | Update the value under the “Name” textbox. | Function will check if the ROLA remark already exists. |
| 3. |  | Click the “Save” button to save the ROLA remark update. | Function will check if data for the required field was provided or complies to the required data type. |
| 4. |  | Notify user for successful or unsuccessful operation |  |

1. Deleting a ROLA remark

|  |  |  |  |
| --- | --- | --- | --- |
| Step No. | User/Role | Step Description | Validation (if necessary) |
| 1. |  | On the “ROLA Remarks” page, choose a record and click on the “-“ button to delete the ROLA remark. | Function will provide confirmation. |
| 2. |  | Notify user for successful or unsuccessful operation |  |

# Database Structure

### Table: methods

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | Type | Collation | Null | Key | Default | Extra |
| Id | int(11) unsigned | (NULL) | NO | PRI | (NULL) | auto\_increment |
| method\_name | varchar(191) | utf8\_general\_ci | YES |  | (NULL) |  |
| deleted\_at | timestamp | (NULL) | YES |  | (NULL) |  |
| created\_at | timestamp | (NULL) | YES |  | (NULL) |  |
| updated\_at | timestamp | (NULL) | YES |  | (NULL) |  |

### Table: method\_steps

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | Type | Collation | Null | Key | Default | Extra |
| Id | int(11) unsigned | (NULL) | NO | PRI | (NULL) | auto\_increment |
| method\_id | int(10) unsigned | (NULL) | NO |  | (NULL) |  |
| step\_id | int(10) unsigned | (NULL) | NO |  | (NULL) |  |
| deleted\_at | timestamp | (NULL) | YES |  | (NULL) |  |
| created\_at | timestamp | (NULL) | YES |  | (NULL) |  |
| updated\_at | timestamp | (NULL) | YES |  | (NULL) |  |

### Table: steps

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field | Type | Collation | Null | Key | Default | Extra |
| Id | int(11) unsigned | (NULL) | NO | PRI | (NULL) | auto\_increment |
| step\_name | varchar(191) | utf8\_general\_ci | YES |  | (NULL) |  |
| deleted\_at | timestamp | (NULL) | YES |  | (NULL) |  |
| created\_at | timestamp | (NULL) | YES |  | (NULL) |  |
| updated\_at | timestamp | (NULL) | YES |  | (NULL) |  |