**How to determine user type:**

Administrator: view user, if is Administrator == Y, then user is administrator.

Account User: view department, if department operation area’s is Financial == Y, then all users under that department are account user.

Department Manager: view department, if manager == user, then user is department manager.

**Test Case:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Module | User | Function | Level 1 Logic | Level 2 Logic | Level 3 Logic |
| Sign In | all | Login | with correct password without lick remember me |  |  |
|  |  |  | with correct password with lick remember me |  |  |
|  |  |  | with incorrect password, show error message |  |  |
|  |  |  | with Cookie (Auto Login) – after start, even there is Cookie, but failed to auto login |  |  |
|  |  | Non Login | Return to Login Page is non-login but directly hit URL |  |  |
|  |  | Logout | Session Clean, but not Clean Cookie |  |  |
| Menu | admin |  | Can access Maintain User, Maintain Department |  |  |
|  | account |  | Can access Monitor Claim Form |  |  |
|  | all |  | Change the menu, active highlight will change |  |  |
| Dash Board | all | User Info | View his User |  |  |
|  |  | Department Info | View his Department | View User |  |
|  |  | View Pending Approval Claim Form | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
|  | manager | View For Your Approval Claim Form | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
|  |  |  | Department Approve |  |  |
|  |  |  | Reject |  |  |
|  | account | View For Your Approval Claim Form | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
|  |  |  | Financial Approve |  |  |
|  |  |  | Reject |  |  |
| Maintain User | admin | View List | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View User |  |  |
|  |  |  | Edit User | Update User without click Update Password |  |
|  |  |  |  | Update User with click Update Password |  |
|  |  |  |  | Update User without Department |  |
|  |  |  |  | Update User with Department |  |
|  |  |  |  | Filed Validation |  |
|  |  |  | Remove User |  |  |
|  |  | Create User |  | Save User without Department |  |
|  |  |  |  | Save User with Department |  |
|  |  |  |  | Filed Validation |  |
| Maintain Department | admin | View List | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Department |  |  |
|  |  |  | Edit Department | Update Department without Manager |  |
|  |  |  |  | Update Department with Manager |  |
|  |  |  |  | Assign User |  |
|  |  |  |  | View User |  |
|  |  |  |  | Remove User |  |
|  |  |  | Remove Department |  |  |
|  |  | Create Department |  | Save Department without User |  |
|  |  |  |  | Save Department with User |  |
|  |  |  |  | Filed Validation |  |
| Maintain Claim Form | all | View Claim Form List (Saved + Rejected) | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
|  |  |  | Edit Claim Form | View Claim Form Item |  |
|  |  |  |  | Create Claim Form Item | Save Claim Form Item  -> if Reject Status, update to Saved Status  -> Reset Reject By / Time |
|  |  |  |  |  | Filed Validation |
|  |  |  |  | Edit Claim Form Item | Update Claim Form Item  -> if Reject Status, update to Saved Status  -> Reset Reject By / Time |
|  |  |  |  |  | Filed Validation |
|  |  |  |  | Remove Claim Form Item  -> if Reject Status, update to Saved Status  -> Reset Reject By / Time |  |
|  |  |  |  | Submit Claim Form  -> if Reject Status, update to Saved Status  -> Reset Reject By / Time |  |
|  |  |  | Submit Claim Form  -> if Reject Status, update to Saved Status  -> Reset Reject By / Time |  |  |
|  |  | View Claim Form List (Submitted) | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
|  |  | View Claim Form List (Manager Approved) | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
|  |  | View Claim Form List (Financial Approved) | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
| Monitor Claim Form |  | View Claim Form List (All Status) | Default Sort |  |  |
|  |  |  | Sort all columns |  |  |
|  |  |  | Pagination (First, Previous, Next, Last) |  |  |
|  |  |  | View Claim Form | View Claim Form Item |  |
| Report | all (not account) | Report list |  |  |  |
|  |  | Claim Form Summary Report | Submit Simple Report (only himself) |  |  |
|  |  |  | Submit Complex Report (only himself) |  |  |
|  |  |  | Download Report |  |  |
|  |  | Claim Form Item Report | Submit Simple Report (only himself) |  |  |
|  |  |  | Submit Complex Report only himself) |  |  |
|  |  |  | Download Report |  |  |
|  | account | Claim Form Summary Report | Submit Simple Report (all criteria, specify criteria) |  |  |
|  |  |  | Submit Complex Report (all criteria, specify criteria) |  |  |
|  |  |  | Download Report |  |  |
|  |  | Claim Form Item Report | Submit Simple Report (all criteria, specify criteria) |  |  |
|  |  |  | Submit Complex Report (all criteria, specify criteria) |  |  |
|  |  |  | Download Report |  |  |
| Edit Password | all | Update Password | with wrong Old Password |  |  |
|  |  |  | with correct Old Password |  |  |
|  |  |  | Filed Validation |  |  |
| Expire Remember Me | all | Expire Cookie | With Cookie before |  |  |
|  |  |  | Without Cookie before |  |  |
| Sign Out | all | Sign Out |  |  |  |
|  |  |  |  |  |  |
| Home Page Icon | all | Go to Home Page | Dash Board will be highlighted |  |  |
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