CS744 EMR system test cases

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V2. 2/16/2015 JingBo

V3. 2/24/2015 Yufan

V4. 2/28/2015 JingBo

V5. 3/2/2015 Han

V6. 3/9/2015 Han

V7. 3/20/2015 Han

V8. 3/21/2015 Jingbo

V9 3/22/2015 Han

V10 3/23/2015 Jingbo

V11 3/24/2015 Han

V12 3/25/2015 Jingbo

V13 3/26/2015 Han

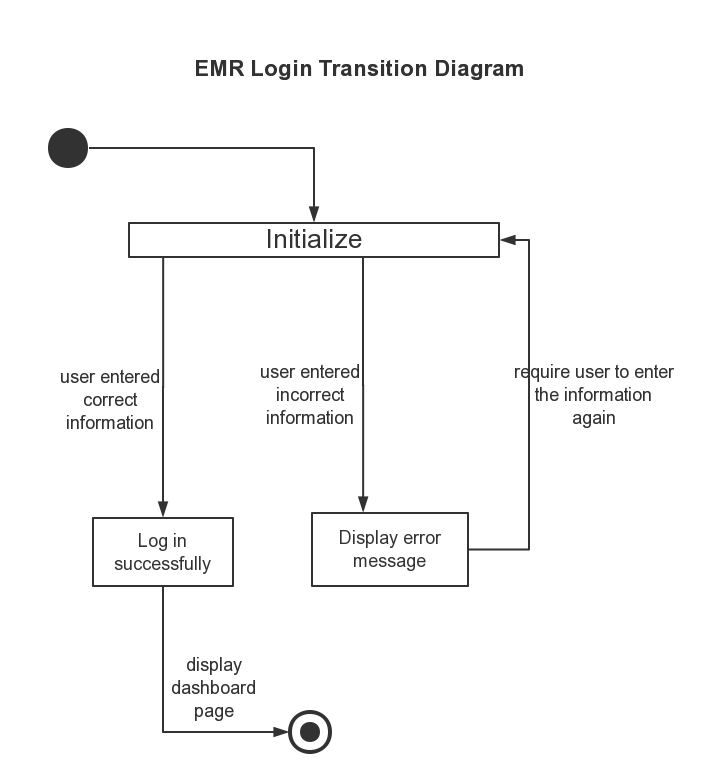
V14 3/31/2015 Yufan

V15 4/14/2015 Yufan

**Assumptions**

In the requirement, it says “The primary care physician of the patient creates and adds information to the EMR”, which means the only users of this system is physicians. However, there must be an administrator account to add physicians’ accounts to system before it delivered. Therefore physicians can use it directly without registering by themselves. According the requirement, we decide to test login module first. Later on other test cases for other component of system will be provided.

**Transition diagram**



**Test Cases**

We fixed the Login page with adding the warning message to notice user if his/her username or password is invalid. Moreover, we updated the toolbar test cases.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Scenario** | **Expected output** | **Actual output** | **Developer** | **Tester** | **Test Date** |
| Login test cases | 1 | Open website, click “login” button without entering anything | There should be message displayed to notice user the information is invalid, and there is nothing else happen | warning message displayed | Yufan | Han | 2/9/2015 |
| 2 | Enter information (username, password) | in password text box the password should be displayed as dots | password is displayed as dots | Yufan | Han | 2/9/2015 |
| 3 | Enter invalid information, click “login” button | There should be message displayed to notice user the information is invalid | warning message displayed | Yufan | Han | 2/9/2015 |
| 4 | Enter valid information, click “login” button | System should display dashboard page | Dashboard displays | Yufan | Han | 2/9/2015 |
| Dashboard test  cases | 1 | Click “Patient” button | System should display patient page | showing patients table | Yufan | Jingbo | 2/16/2015 |
| 2 | Click “Dashboard” button | System should display home page | showing home page | Yufan | Jingbo | 2/16/2015 |
| 3 | Click “EMR” button | System should display EMR page | showing EMR page | Yufan | Jingbo | 2/16/2015 |
| 4 | Click “Transcription” button | System should display transcription page | showing transcription page | Yufan | Jingbo | 2/16/2015 |
| Patient test case | 1 | Click “EMR” button on patient list | System should display EMR page | showing EMR page | Han | Jingbo | 2/16/2015 |
| 2 | non-existing patient name to search Primary care patient | It should show result “No matching records found” | result”No matching records found” showed | Han | Jingbo | 2/16/2015 |
| 3 | existing patient name to search Primary care patient | It should show the search result | the patient is showed in the primary care patient list | Han | Jingbo | 2/16/2015 |
| 4 | non-existing patient name to search Temporary care patient | It should show result “No matching records found” | result”No matching records found” showed | Han | Jingbo | 2/16/2015 |
| 5 | existing patient name to search Temporary care patient | It should show the search result | the patient is showed in the temporary care patient list | Han | Jingbo | 2/16/2015 |
| Transcription test case | 1 | Click “view” button on transcription list | System should display transcription page | showing transcription page | Yufan | Han | 2/24/2015 |
| 2 | Click “Create” button on transcription page | System should display creating transcription page | showing creating transcription page | Yufan | Han | 2/24/2015 |
| 3 | Click “Empty” button on Give access to physician | System should display physician list | showing physician list | Yufan | Han | 2/24/2015 |
| 4 | Click “Date” button on Give access to physician | System should display calendar | showing calendar | Yufan | Han | 2/24/2015 |
| Create  transcription  test case | 1 | Click Diagnostic Test “Empty” button | System should display Diagnostic Test selection | showing Diagnostic Test selection | JingBo | Yufan | 2/24/2015 |
| 2 | Click Surgery “Empty” button | System should display Surgery selection | showing Surgery selection | JingBo | Yufan | 2/24/2015 |
| 3 | Input on Prescription information text field | System should allow input information | allowing input information | JingBo | Yufan | 2/24/2015 |
| 4 | Click “Create” button | New transcription should be created | transcription created | JingBo | Yufan | 2/24/2015 |
| 5 | Click “Cancel” button | System should back to last page | back to last page | JingBo | Yufan | 2/24/2015 |
| Toolbar test cases | 1 | Click “Message” button in toolbar on dashboard | There will be a drop down menu appears | drop down menu appears | Yufan | Han | 2/28/2015 |
| 2 | Click drop down menu item of “Message” menu | It should show details of messages | details show correctly | Yufan | Han | 2/28/2015 |
| 3 | Click “Task” button in toolbar on dashboard | There will be a drop down menu appears | drop down menu appears | Yufan | Han | 2/28/2015 |
| 4 | Click drop down menu item of “Task” menu | It should show details of tasks | details show correctly | Yufan | Han | 2/28/2015 |
| 5 | Click “Alert” button in toolbar on dashboard | There will be a drop down menu appears | drop down menu appears | Yufan | Han | 2/28/2015 |
| 6 | Click drop down menu item of “Alert” menu | It should show details of alerts | details show correctly | Yufan | Han | 2/28/2015 |
| 7 | Click “UserProfile” button in toolbar on dashboard | There will be a drop down menu appears | drop down menu appears | Yufan | Han | 2/28/2015 |
| 8 | Click drop down menu item of “UserProfile” menu | It should show details of user profile | details show correctly | Yufan | Han | 2/28/2015 |
| Patient page GUI test cases | 1 | Click green EMR button on patient page | It should go to the patient’s EMR page and display the existing EMR | page shows correctly | Jingbo | Han | 3/2/2015 |
| 2 | Click red EMR button on patient page | It should go to a page with empty EMR waiting to be created | page shows correctly | Jingbo | Han | 3/2/2015 |
| 3 | Input fuzzy keyword in search box | It should display search result | result shows correctly | Jingbo | Han | 3/2/2015 |
| 4 | Input keyword in search box | It should display search result on real-time | result shows on real-time | Jingbo | Han | 3/2/2015 |
| 5 | Click drop down box to change the number of patient displayed | It should change the number | displayed number changes | Yufan | Han | 3/2/2015 |
| 6 | Click the column to change the order of sequence of patient names | The order should be changed | order changes correctly | Yufan | Han | 3/2/2015 |
| 7 | Click the column to change the order of sequence of patient genders | The order should be changed | order changes correctly | Yufan | Han | 3/2/2015 |
| 8 | Click the column to change the order of sequence of patient birthdays | The order should be changed | order changes correctly | Yufan | Han | 3/2/2015 |
| 9 | Click the column to change the order of sequence of patient relation types | The order should be changed | order changes correctly | Yufan | Han | 3/2/2015 |
| 10 | Click the column to change the order of sequence of patient access levels | The order should be changed | order changes correctly | Yufan | Han | 3/2/2015 |
| 11 | Click the column to change the order of sequence of actions | The order should be changed | order changes correctly | Yufan | Han | 3/2/2015 |
| EMR page GUI test cases | 1 | Click “Patient Information” tab | It should show patient information panel | panel shows correctly | Han | Jingbo | 3/9/2015 |
| 2 | Click “Transcription” tab | It should show Transcription panel | panel shows correctly | Han | Jingbo | 3/9/2015 |
| 3 | Click “Associated physicians” tab | It should show associated physicians panel | panel shows correctly | Han | Jingbo | 3/9/2015 |
| 4 | Click “patient infor” panel heading | The panel should be collapsed | panel collapses correctly | Han | Jingbo | 3/9/2015 |
| 5 | Click “physician condition” panel heading | The panel should be collapsed | panel collapses correctly | Han | Jingbo | 3/9/2015 |
| 6 | Click “medical disorder” panel heading | The panel should be collapsed | panel collapses correctly | Han | Jingbo | 3/9/2015 |
| 7 | Click “view” button of specific transcription record in “Transcription” tab | The detailed information of particular transcription should be shown in the transcription page | page shows correctly | Yufan | Jingbo | 3/9/2015 |
| 8 | Click drop down box to change the number of physicians displayed in “Associated Physician” tab | It should change the number of physicians displayed | number changes | Yufan | Jingbo | 3/9/2015 |
| 9 | Click the column to change the order of sequence of physician names | The order should be changed | order changes correctly | Yufan | Jingbo | 3/9/2015 |
| 10 | Click the column to change the order of sequence of access right | The order should be changed | order changes correctly | Yufan | Jingbo | 3/9/2015 |
| 11 | Click the column to change the order of sequence of expired date | The order should be changed | order changes correctly | Yufan | Jingbo | 3/9/2015 |
| 12 | Click the column to change the order of sequence of actions | The order should be changed | order changes correctly | Yufan | Jingbo | 3/9/2015 |
| 13 | Input the physician name into physician searching box to search physician | There should be a drop down box to show the fuzzy searching result | Drop down box shows correctly | Yufan | Jingbo | 3/9/2015 |
| 14 | Input the physician name into physician searching box and hit enter | The searching result should be displayed in searching box | Result shows correctly | Yufan | Jingbo | 3/9/2015 |
| 15 | Input the keywords in the searching box of “temporary care physician list” panel | The record should be displayed based on the keywords on real-time | Displays are correct | Yufan | Jingbo | 3/9/2015 |
| 16 | Click the date of “expired date” | The date control should be displayed with the date shown | Display is correct | Yufan | Jingbo | 3/9/2015 |
| 17 | Select different date on the date control | This operation should change the expired date | Expired date changes | Yufan | Jingbo | 3/9/2015 |
| 18 | Click “add” button in adding physician panel | It should add physician to the upper list and to the database | Working correctly | Yufan | Jingbo | 3/9/2015 |
| 19 | Click the “delete” button of each relationship | There should be an alert appearing to get deleting confirmation from current user | Alert appears | Yufan | Jingbo | 3/9/2015 |
| 20 | Click “Ok” button to confirm deleting the relationship | The relationship should be deleted | Deleting successfully | Yufan | Jingbo | 3/9/2015 |
| 21 | Click “Cancel” button to cancel the operation | The relationship should not be deleted | Deleting doesn’t happen | Yufan | Jingbo | 3/9/2015 |
| Transcription tab test cases | 1 | Click “view” button in transcription tab | It should open the detailed transcription page corresponding to that particular transcription we just clicked | Page shows correctly | Jingbo | Han | 3/20/2015 |
| 2 | Go back to transcription tab and click “create” button | There should be a page shows for creating new transcription for the corresponding patient | Page shows correctly | Jingbo | Han | 3/20/2015 |
| Transcription creating page test cases | 1 | In creating transcription page, input diagnostic test name in diagnostic test textbox | The system should do real-time fuzzy search | search done correctly | Yufan | Han | 3/20/2015 |
| 2 | Input surgery name in surgery textbox | The system should do real-time fuzzy search | search done correctly | Yufan | Han | 3/20/2015 |
| 3 | Click “upload image” field | It should show a dialogue window to allow user upload image files | dialogue window shows correctly | Yudan | Han | 3/20/2015 |
| 4 | Drag image file to “upload image” field | It should upload the image file to system | file uploads correctly | Yufan | Han | 3/20/2015 |
| 5 | Click “add” at “create prescription” panel | It should show a form for creating new prescription below | prescription shows correctly | Yufan | Han | 3/20/2015 |
| 6 | Input drug name into “drug name” textbox | The system should do real-time fuzzy search | the searching result shows correctly | Yufan | Han | 3/20/2015 |
| 7 | Input drug amount and click “add” button behind “drug amount” textbox | The adding result should be shown above | adding result shows correctly | Yufan | Han | 3/20/2015 |
| 8 | Input “Abstraction” and click “Create” button below | The transcription should be created correctly and the system will go back to patient information page | The transcription has been created correctly | Yufan | Han | 3/20/2015 |
| 9 | Click “transcription” tab in patient information page | The new-created transcription should be shown on the list | the new-created transcription shows correctly | Yufan | Han | 3/20/2015 |
| Transcription view page test cases | 1 | Click “view” button in transcription tab | It should open the detailed transcription page corresponding to that particular transcription we just clicked | Page shows correctly | Jingbo | Han | 3/20/2015 |
| 2 | Click “show test image” | There should be at least one test image shows below | test image shows correctly | Yufan | Han | 3/20/2015 |
| 3 | Click green “+” button in prescription list | It should show the corresponding prescription details of the clicked prescription | the details are correctly shown | Yufan | Han | 3/20/2015 |
| 4 | Click “cancel” button at bottom | It will go back to patient information page | the page goes to patient information page | Yufan | Han | 3/20/2015 |
| EMR Admin System Login test cases | 1 | Click “login” button without inputting anything | It should show a message to notice user the login is failed | Message shows correctly | Han | Jingbo | 3/21/2015 |
| 2 | Input invalid username and valid password | It should show a message to notice user the login is failed | Message shows correctly | Han | Jingbo | 3/21/2015 |
| 3 | Input valid username but invalid password | It should show a message to notice user the login is failed | Message shows correctly | Han | Jingbo | 3/21/2015 |
| 4 | Input valid username and valid password | It should login to system and jump to index.html | Login and page shows successfully | Han | Jingbo | 3/21/2015 |
| 5 | Index page shows | After login successfully, every single page element should show correctly in index such as title and label names | Everything shows correctly | Han | Jingbo | 3/21/2015 |
| EMR Admin System  dashboa  -rd  test  case | 1 | Click “People” label in the navigation bar on the left | There should be four items named “Admin”, “Physician”, “Patient”, and “Medical staff” shows as dropdown list | Dropdown list shows correctly | Jingbo | Han | 3/21/2015 |
| 2 | Click “Relationship” label in the navigation bar on the left | There should be three items named “Physician and Medical staff”, “Physician and Patient”, “Physician ”, and “Medical staff and Physician” shows as dropdown list | Dropdown list shows correctly | Jingbo | Han | 3/21/2015 |
| 3 | Click “Department” label in the navigation bar on the left | There should be a list of department shown in the dropdown list | Dropdown list shows correctly | Han | Jingbo | 3/21/2015 |
| 4 | Click “Drugs” label in the navigation bar on the left | Drug page should be displayed | Drug page should be displayed correctly | Jingbo | Han | 3/21/2015 |
| 5 | Click “Diagnostic Test” label in the navigation bar on the left | Diagnostic Test page should be displayed | Diagnostic Test page should be displayed correctly | Jingbo | Han | 3/21/2015 |
| 6 | Click “Surgery” label in the navigation bar on the left | Surgery page should be displayed | Surgery page should be displayed correctly | Jingbo | Han | 3/21/2015 |
| 7 | Click “Dashbord” label in the navigation bar on the left | index page should be displayed | index page should be displayed correctly | Jingbo | Han | 3/22/2015 |
| EMR Admin System  Admin page  test  case | 1 | Click ”Admin” button in navigation bar | There should be a table contains all administrators information on the right side of page including every element shown correctly | table, information and other elements showed correctly | Jingbo | Han | 3/22/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Jingbo | Han | 3/22/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Jingbo | Han | 3/22/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Jingbo | Han | 3/22/2015 |
| EMR Admin System  Physici  -an  page  test  case | 1 | Click ”Physician” button in navigation bar | There should be a table contains all physician information on the right side of page including every element shown correctly | table, information and other elements showed correctly | Jingbo | Han | 3/22/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Jingbo | Han | 3/22/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Jingbo | Han | 3/22/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Jingbo | Han | 3/22/2015 |
| EMR Admin System  Patient  page  test  case | 1 | Click ”Patient” button in navigation bar | There should be a table contains all patient information on the right side of page including every element shown correctly | table, information and other elements showed correctly | Jingbo | Han | 3/22/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Jingbo | Han | 3/22/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Jingbo | Han | 3/22/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Jingbo | Han | 3/23/2015 |
| EMR Admin System  medical  staff  page  test  case | 1 | Click ”Medical staff” button in navigation bar | There should be a table contains all medical staff information on the right side of page including every element shown correctly | table, information and other elements showed correctly | Jingbo | Han | 3/23/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Jingbo | Han | 3/23/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Jingbo | Han | 3/23/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Jingbo | Han | 3/23/2015 |
| EMR Admin System  Diagnos  -tic Test  page  test  case | 1 | Click ”Add” button on the bottom of page | There should be a form contains diagnostic name input field and diagnostic cost input field shown | form and other elements showed correctly | Jingbo | Han | 3/23/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Jingbo | Han | 3/23/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Jingbo | Han | 3/23/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Jingbo | Han | 3/23/2015 |
| 5 | Input diagnostic name into the text field | diagnostic name should be inputted | diagnostic name should be inputted correctly | Jingbo | Han | 3/23/2015 |
| 6 | Input diagnostic cost into the text field | diagnostic cost should be inputted | diagnostic cost should be inputted correctly | Jingbo | Han | 3/23/2015 |
| 7 | Click “submit” after diagnostic name and cost accepted | There is a “success” message shown on the bottom | There is a “success” message shown on the bottom correctly | Jingbo | Han | 3/23/2015 |
| 8 | Click one of those “delete” buttons in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | jumped into delete diagnostic page correctly | Jingbo | Han | 3/23/2015 |
| 9 | Trying to click and modify the information in delete confirmation page | It will not allow user to click or modify the information. The information is just shown for noticing user who clicked the correct button earlier | The information is not editable | Jingbo | Han | 3/23/2015 |
| 10 | Click “Yes” button | System will try to delete this item and show result to user | Item has been deleted successfully | Jingbo | Han | 3/23/2015 |
| 11 | Choose another item and click the “delete” button in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | jumped into delete diagnostic page correctly | Jingbo | Han | 3/23/2015 |
| 12 | Click “No” button | It will go back to diagnostic page | back to diagnostic page correctly | Jingbo | Han | 3/23/2015 |
| 13 | Click one of those “edit” buttons in “change” column | It will jump to edit diagnostic confirmation page which shows the information of the item which is chosen by user | jumped into edit diagnostic page correctly | Jingbo | Han | 3/23/2015 |
| 14 | Trying to click and modify the information in edit diagnostic confirmation page | It will allow user to click or modify the information(only name and cost). | The information is editable | Jingbo | Han | 3/23/2015 |
| 15 | Click “Yes” button | System will try to update this item and show result to user | Item has been updated successfully | Jingbo | Han | 3/23/2015 |
| 16 | Choose another item and click the “edit” button in “change” column | It will jump to edit diagnostic confirmation page which shows the information of the item which is chosen by user | jumped into edit diagnostic page correctly | Jingbo | Han | 3/23/2015 |
| 17 | Click “No” button | It will go back to diagnostic page | back to diagnostic page correctly | Jingbo | Han | 3/23/2015 |
| Department-physician relation page view test cases | 1 | Click the first department name in the dropdown list | It should show the table containing all physicians who belong to this department on the right of page | Table and contents show correctly | Jingbo | Han | 3/23/2015 |
| 2 | Click the dropdown list control on the up left corner of table to select different number of items shown in table | Number of items should be shown according to the number user chose | Number of items shows correctly | Han | Jingbo | 3/24/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Han | Jingbo | 3/24/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Han | Jingbo | 3/24/2015 |
| Deleting department-physician relation test cases | 1 | Click one of those “delete” buttons in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | Page jumps correctly | Han | Jingbo | 3/24/2015 |
| 2 | Trying to click and modify the information in delete confirmation page | It will not allow user to click or modify the information. The information is just shown for noticing user who clicked the correct button earlier | The information is not editable | Han | Jingbo | 3/24/2015 |
| 3 | Click “Yes” button | System will try to delete this item and show result to user | Item has been deleted successfully | Han | Jingbo | 3/24/2015 |
| 4 | Choose another item and click the “delete” button in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | Page jumps correctly | Han | Jingbo | 3/24/2015 |
| 5 | Click “Cancel” button | System will go back to the department page which is showing physician tables previous | Page jumps correctly | Han | Jingbo | 3/24/2015 |
| Adding new department-physician relation test cases | 1 | Click “add” button below table | It will show a hidden table which contains the text boxes for user to enter information to add new item | Hidden table shows correctly | Han | Jingbo | 3/24/2015 |
| 2 | Input physician name which has already belonged to one department and click “add” button behind it | There should be a message shows below to notice user and point user to the department the user belongs to | Message and link shows correctly | Han | Jingbo | 3/24/2015 |
| 3 | Click the link shown in message | It will jump to the department which the physician noticed belongs to previously | Page jumps correctly | Han | Jingbo | 3/24/2015 |
| 4 | Input physician name not existed in physician  table and click “add” button behind it | It will show message noticing user no such physician exists | Message shows correctly | Han | Jingbo | 3/24/2015 |
| 5 | Input physician name who is non-registered physician and click “add” button behind it | It will show a table listing all same name physicians to let user choose which one he wants to add | Table didn’t show. Physician has been added to this department directly | Han | Jingbo | 3/24/2015 |
| Drug view page test cases | 1 | Click the dropdown list control on the up left corner of table to select different number of items shown in table | Number of items should be shown according to the number user chose | Number of items shows correctly | Han | Jingbo | 3/24/2015 |
| 2 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Han | Jingbo | 3/24/2015 |
| 3 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Han | Jingbo | 3/24/2015 |
| Deleting drug test cases | 1 | Click one of those “delete” buttons in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | Page jumps correctly | Han | Jingbo | 3/24/2015 |
| 2 | Trying to click and modify the information in delete confirmation page | It will not allow user to click or modify the information. The information is just shown for noticing user who clicked the correct button earlier | The information is not editable | Han | Jingbo | 3/24/2015 |
| 3 | Click “Yes” button | System will try to delete this item and show result to user | Item has been deleted successfully | Han | Jingbo | 3/24/2015 |
| 4 | Choose another item and click the “delete” button in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | Page jumps correctly | Han | Jingbo | 3/25/2015 |
| 5 | Click “Cancel” button | System will go back to the page which is showing tables previous | Page jumps correctly | Han | Jingbo | 3/25/2015 |
| Adding new drug test cases | 1 | Click “add” button below table | It will show a hidden table which contains the text boxes for user to enter information to add new item | Hidden table shows correctly | Han | Jingbo | 3/25/2015 |
| 2 | Input drug name which has already existed and click “add” button right behind text box | There should be a message shows below to notice user | Message shows correctly | Han | Jingbo | 3/25/2015 |
| 3 | Input drug name which doesn’t exist | System will add this new drug to table and showing message to notice user whether it is successful or not | Adding successfully and message showing correctly | Han | Jingbo | 3/25/2015 |
| Editing durg page test cases | 1 | Click “edit” button in “change” column | System will jump to editing page | Page jumps correctly | Han | Jingbo | 3/25/2015 |
| 2 | Modify information and click “update” button | System will update information and jump back to previous page | Updating successfully and jumping correctly | Han | Jingbo | 3/25/2015 |
| 3 | Click “cancel” button | System will jump to previous page | Page jumps correctly | Han | Jingbo | 3/25/2015 |
| EMR Admin  System  Surgery  page  test  case | 1 | Click ”Add” button on the bottom of page | There should be a form contains surgery name input field and diagnostic cost input field shown | form and other elements showed correctly | Han | Jingbo | 3/25/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Han | Jingbo | 3/25/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Han | Jingbo | 3/25/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Han | Jingbo | 3/26/2015 |
| 5 | Input surgery name into the text field | surgery name should be inputted | surgery name should be inputted correctly | Han | Jingbo | 3/26/2015 |
| 6 | Input surgery cost into the text field | surgery cost should be inputted | surgery cost should be inputted correctly | Han | Jingbo | 3/26/2015 |
| 7 | Click “submit” after surgery name and cost accepted | There is a “success” message shown on the bottom | There is a “success” message shown on the bottom correctly | Han | Jingbo | 3/26/2015 |
| 8 | Click one of those “delete” buttons in “delete” column | It will jump to deleting surgery confirmation page which shows the information of the item which is chosen by user | jumped into delete surgery page correctly | Han | Jingbo | 3/26/2015 |
| 9 | Trying to click and modify the information in delete confirmation page | It will not allow user to click or modify the information. | The information is not editable | Han | Jingbo | 3/26/2015 |
| 10 | Click “Yes” button | System will try to delete this item and show result to user | Item has been deleted successfully | Han | Jingbo | 3/26/2015 |
| 11 | Choose another surgery and click the “delete” button in “delete” column | It will jump to deleting confirmation page which shows the information of the item which is chosen by user | jumped into delete surgery page correctly | Han | Jingbo | 3/26/2015 |
| 12 | Click “No” button | It will go back to surgery page | back to surgery page correctly | Han | Jingbo | 3/26/2015 |
| 13 | Click one of those “edit” buttons in “change” column | It will jump to edit surgery confirmation page which shows the information of the item which is chosen by user | jumped into edit surgery page correctly | Han | Jingbo | 3/26/2015 |
| 14 | Trying to click and modify the information in edit diagnostic confirmation page | It will allow user to click or modify the information(only name and cost). | The information is editable | Han | Jingbo | 3/26/2015 |
| 15 | Click “Yes” button | System will try to update this item and show result to user | Item has been updated successfully | Han | Jingbo | 3/26/2015 |
| 16 | Choose another surgery and click the “edit” button in “change” column | It will jump to edit surgery confirmation page which shows the information of the item which is chosen by user | jumped into edit surgery page correctly | Han | Jingbo | 3/26/2015 |
| 17 | Click “No” button | It will go back to diagnostic page | back to surgery page correctly | Han | Jingbo | 3/26/2015 |

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| EMR with medical staff | 1 | Click ”Add” button on the bottom of page | There should be a form contains surgery name input field and diagnostic cost input field shown | form and other elements showed correctly | Han | Jingbo | 3/25/2015 |
| 2 | Click dropdown box on the up left corner of table to change number of items to display | Number of items should be displayed correct | Number of items displayed correct | Yufan | Yufan | 3/25/2015 |
| 3 | Click each column head | Each head of column which is clicked should change the order of items based on particular entry user just clicked | Order of items changes correctly | Yufan | Yufan | 3/25/2015 |
| 4 | Input keywords into search input box on the up right corner of table | The system should do real-time fuzzy search from current table | Searching result shows correctly | Yufan | Yufan | 3/26/2015 |
| 5 | Input diagnostic test name into the text field | diagnostic test name should be auto completed | diagnostic test name should be auto completed correctly | Yufan | Yufan | 3/26/2015 |
| 6 | Input surgery into the text field | surgery should not be inputted | surgery can not be inputted | Yufan | Yufan | 3/26/2015 |
| 7 | select treatment | only show treatment which can be done by medical staff | only show treatment which can be done by medical staff | Yufan | Yufan | 3/26/2015 |
| 8 | Click add treatment button | New treatment was added | New treatment was added | Yufan | Yufan | 3/26/2015 |
| 9 | Click add new prescription button | New prescription was added, show the add drug table | New prescription was added, show the add drug table | Yufan | Yufan | 3/26/2015 |
| 10 | Input drug name | Drug name should be auto completed and only showed drugs which can be operate by medical staff | Drug name should be auto completed and only showed drugs which can be operate by medical staff | Yufan | Yufan | 3/26/2015 |
| 11 | Write transcription abstract | Show transcription abstract | Show transcription abstract | Yufan | Yufan | 3/26/2015 |
| 12 | Write transcription content | Write transcription content | Write transcription content | Yufan | Yufan | 3/26/2015 |
| 13 | Click submit button | Commit the update of transcription, jump to emr page | Commit the update of transcription, jump to emr page | Yufan | Yufan | 3/26/2015 |

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| EMR with physician | 1 | Answer security questions | There should be three security questions listed | There are three security questions listed | Yufan | Yufan | 4/10/2015 |
| 2 | Set security questions | There should be three security questions for phsycian to set | There are three security questions for phsycian to set | Yufan | Yufan | 4/11/2015 |
| 3 | View physician and medical staff relation | List all medical staff associated with current physician | List all medical staff associated with current physician | Yufan | Yufan | 4/12/2015 |
| 4 | Administration component post a new patient to emr interface | The system should do real-time fuzzy search from current table | Searching result shows correctly | Yufan | Yufan | 3/26/2015 |
| 5 | Input diagnostic test name into the text field | diagnostic test name should be auto completed | diagnostic test name should be auto completed correctly | Yufan | Yufan | 3/26/2015 |
| 6 | Input surgery into the text field | surgery should not be inputted | surgery can not be inputted | Yufan | Yufan | 3/26/2015 |
| 7 | select treatment | only show treatment which can be done by medical staff | only show treatment which can be done by medical staff | Yufan | Yufan | 3/26/2015 |
| 8 | Click add treatment button | New treatment was added | New treatment was added | Yufan | Yufan | 3/26/2015 |
| 9 | Click add new prescription button | New prescription was added, show the add drug table | New prescription was added, show the add drug table | Yufan | Yufan | 3/26/2015 |
| 10 | Input drug name | Drug name should be auto completed and only showed drugs which can be operate by medical staff | Drug name should be auto completed and only showed drugs which can be operate by medical staff | Yufan | Yufan | 3/26/2015 |
| 11 | Write transcription abstract | Show transcription abstract | Show transcription abstract | Yufan | Yufan | 3/26/2015 |
| 12 | Write transcription content | Write transcription content | Write transcription content | Yufan | Yufan | 3/26/2015 |
| 13 | Click submit button | Commit the update of transcription, jump to emr page | Commit the update of transcription, jump to emr page | Yufan | Yufan | 3/26/2015 |