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| --- | --- | --- | --- |
| Test case | Test data | Expected result | Actual result |
| 1. TimeHelper WebApplication Test Cases for students |  |  |  |
| * 1. Student log in with Facebook account at first time |  |  |  |
|  | Open the link <https://timehelper.au-syd.mybluemix.net/> in the browser | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown |
|  | Click the button “Sign in” | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
|  | Click the button “Login with Facebook” | The page “Log in to Facebook” is shown | The page “Log in to Facebook” is shown |
|  | Enter your email or phone number and password. Click the button “Log in” | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown |
|  | Tick the “One of the boring classes”, “Just, example class”, click the button “I am a student”, click the button “Apply” | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule |
| * 1. Sign out | Click on the icon with account photo | The “Sign out” link is shown | The “Sign out” link is shown |
|  | Click on the “Sign out” link | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
| * 1. Student log in with Google account at the first time |  |  |  |
|  | Open the link <https://timehelper.au-syd.mybluemix.net/> in the browser | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown |
|  | Click the button “Sign in” | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
|  | Click the button “Login with Google” | The page “Log in to Google” is shown | The page “Log in to Google” is shown |
|  | Enter your email or phone number and password. Click the button “Log in” | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown |
|  | Tick the “One of the boring classes”, “Just, example class”, click the button “I am a student”, click the button “Apply” | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Google profile photo, the grid with your schedule | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Google profile photo, the grid with your schedule |
| * 1. Sign out | Click on the icon with account photo | The “Sign out” link is shown | The “Sign out” link is shown |
|  | Click on the “Sign out” link | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
| * 1. Student log in with Facebook account at the second time |  |  |  |
|  | Open the link <https://timehelper.au-syd.mybluemix.net/> in the browser | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
|  | Click the button “Login with Facebook” | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule |
| 1. TimeHelper WebApplication Test Cases for lecturers |  |  |  |
| * 1. Lecturer log in with Facebook account at the first time |  |  |  |
|  | Open the <https://timehelper.au-syd.mybluemix.net/> link in the browser | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown |
|  | Click the button “Sign in” | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
|  | Click the button “Login with Facebook” | The page “Log in to Facebook” is shown | The page “Log in to Facebook” is shown |
|  | Enter your email or phone number and password. Click the button “Log in” | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown |
|  | Tick the “One of the boring classes”, “Just, example class”, click the button “I am a lecture” | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule |
| * 1. Sign out | Click on the icon with account photo | The “Sign out” link is shown | The “Sign out” link is shown |
|  | Click on the “Sign out” link | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
| * 1. Lecturer log in with Google account at the first time |  |  |  |
|  | Open the link <https://timehelper.au-syd.mybluemix.net/> in the browser | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown | Website opened. Title “Hi, please, Sign in” and the button “Sign in” are shown |
|  | Click the button “Sign in” | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Sign in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
|  | Click the button “Login with Google” | The page “Log in to Google” is shown | The page “Log in to Google” is shown |
|  | Enter your email or phone number and password. Click the button “Log in” | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown | The list of classes with title “Please select classes to enroll”, the buttons “I am a student”, “I am a lecturer” are shown |
|  | Tick the “One of the boring classes”, “Just, example class”, click the button “I am a lecturer”, | Page “Hi, <your Google account name>” is shown. It contains the icon with your Google profile photo, the grid with your schedule | Page “Hi, <your Google account name>” is shown. It contains the icon with your Google profile photo, the grid with your schedule |
| * 1. Sign out |  |  |  |
| * 1. Lecturer log in with Facebook account at the second time |  |  |  |
|  | Open the link <https://timehelper.au-syd.mybluemix.net/> in the browser | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown | Log in page is opened. The buttons “Login with Facebook” and “Login with Google” are shown |
|  | Click the button “Login with Facebook” | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule | Page “Hi, <your Facebook account name>” is shown. It contains the icon with your Facebook profile photo, the grid with your schedule |
| 2.6. Add a new schedule record |  |  |  |
|  | Click on the schedule’s grid choosing the square that corresponds 1.10.2017 and 9 a.m | The title “New Record Information”, the field with data/time “1/10/2017 9 A.M” , the drop list with ending time, the field “Enter class title” and the field “Enter class description” are shown | The title “New Record Information”, the field with data/time “1/10/2017 9 A.M” , the drop list with ending time, the field “Enter class title” and the field “Enter class description” are shown |
|  | Choose in the drop list with ending time “10:00”. Enter the class title “ISCG 7444”, the class description “Cloud Application Design and Development”. Click the button “Create Class” | The title “Successfully created (please, refresh the page)” is shown | The title “Successfully created (please, refresh the page)” is shown |
|  | Refresh the page in the browser | The record “ISCG 7445 Cloud Application Design and Development” is created in the schedule’s grid in the square corresponding 1/10/2017 and 10a.m. The push notification is send to the students who registered in this course | The record “ISCG 7445 Cloud Application Design and Development” is created in the schedule’s grid in the square corresponding 1/10/2017 and 10a.m. The push notification is send to the students who registered in this course |
| 2.7. Update an existing schedule record | Click the sign  on the schedule’s grid choosing the square that corresponds 1.10.2017 and 9 a.m | The title “Update Class Information”, the field with data/time “1/10/2017 9 A.M” , the drop list “10:00”, the field “ISCG 7445”and the field “Cloud Application Design and Development” are shown | The title “Update Class Information”, the field with data/time “1/10/2017 9 A.M” , the drop list “10:00”, the field “ISCG 7445”and the field “Cloud Application Design and Development” are shown |
|  | Update the class title from “ISCG 7445” to “ISCG 7444”. Click the button “Update” | The title “Successfully updated (please, refresh the page)” is shown | The title “Successfully updated (please, refresh the page)” is shown |
|  | Refresh the page in the browser | The record “ISCG 7444 Cloud Application Design and Development” is updated in the schedule’s grid in the square corresponding 1/10/2017 and 10a.m. The push notification is send to the students who registered in this course | The record “ISCG 7444 Cloud Application Design and Development” is updated in the schedule’s grid in the square corresponding 1/10/2017 and 10a.m. The push notification is send to the students who registered in this course |
| 2.8. Delete an existing schedule record | Click the sign on the schedule’s grid choosing the square “ISCG 7444 Cloud Application Design and Development” that corresponds 1.10.2017 and 9 a.m | The title “Successfully removed (please, refresh the page)” is shown | The title “Successfully removed (please, refresh the page)” is shown |
|  | Refresh the page in the browser | The record “ISCG 7444 Cloud Application Design and Development” is deleted in the schedule’s grid in the square corresponding 1/10/2017 and 10a.m. The push notification is send to the students who registered in this course | The record “ISCG 7444 Cloud Application Design and Development” is deleted in the schedule’s grid in the square corresponding 1/10/2017 and 10a.m. The push notification is send to the students who registered in this course |