CS 1530 MILESTONE 5

1. Purpose: This test plan is to test a seat reservation system designed for college students and professors.
2. Unit Testing:

2.1. Web module: This module integrates with browser

2.1.2. Checklist : The following black box tests will be performed

Test if browsers work

( ✓ ) Chrome

( ✓ ) Firefox

( ✓ ) Microsoft Edge

( ✓ ) Safari

2.2. Sign in module: The module allows a user to sign in

2.2.1. Equivalence classes for Sign in module:

2.2.1.1. Equivalence classes for sign in

1. Username / password Acceptable
2. Anything else Error

2.2.1.2. Equivalence classes for sign up

1. Saved Username/ password Acceptable
2. Anything else Error

2.2.2. Checklist: The following black box tests will be performed

( ) Login

( ) Signup

( ) Sign out

( ) Change password

( ) Enter ID

( ) Change ID

2.3. Class module: The module allows the user to access and add new classrooms

2.3.1. Equivalence classes for Class Module:

2.3.1.1. Equivalence classes for Add class

1. Add class name Acceptable
2. Add class code Acceptable
3. Anything else Error

2.3.1.2. Equivalence classes for Class List

1. Edit button Acceptable
2. Remove button Acceptable
3. Access button Acceptable
4. Anything else Error

2.3.2. Checklist: The following black box tests will be performed

( ) Add class

( ) Delete class

( ) Edit class

( ) Class list

( ) Add class button

( ) Delete class button

( ) Edit class button

( ) Class list button

( ) Reserve seats

( ) Classroom editor access

2.4. Classroom editor Module:

2.4.1. Equivalence classes

2.4.1.1. Equivalence classes for edit seat

1. Erase seat Acceptable
2. Reserve seat Acceptable
3. Add open seat Acceptable
4. Anything else Error

2.4.1.2. Equivalence classes for submitting classroom editor module

1. Submit button Acceptable
2. Anything else Acceptable

2.4.2. Checklist: The following black box tests will be performed

( ) Available tool

( ) Reserved tool

( ) Eraser tool

( ) Available tool button

( ) reserved tool button

( ) eraser tool button

( ) Table expansion tool

( ) Table expansion tool drop down

( ) Table size 1

( ) table size 2

( ) table size 3

( ) table size 4

( ) table size customize option

( ) Name classroom

( ) Revisit classroom

( ) re-edit classroom

( ) Remove classroom

( ) add previously removed classroom

( ) Add notes

( ) remove notes

( ) edit notes

( ) Upload roster

( ) remove roster

( ) edit roster

( ) add student

( ) remove student

( ) edit student

**Whitebox test for Add Classroom:**

2.4.1.1. Equivalence classes for add classroom:

1. Professor Username Acceptable
2. Classroom name Acceptable
3. dimensionX Acceptable
4. dimensionY Acceptable
5. Course number Acceptable
6. Course title acceptable
7. Table acceptable
8. Anything else Error

2.5. Database module: Keeps all information about users and classrooms stored

2.5.1. Equivalence classes for sign in module:

2.5.1.1. Equivalence classes for Student Database:

1. Student name / password Acceptable
2. Student ID / password Acceptable
3. Student name / ID Acceptable
4. Anything else Error

2.5.1.2. Equivalence classes for Professor Database:

1. Professor name / password Acceptable
2. Professor ID / password Acceptable
3. Professor name / ID Acceptable
4. Anything else Error

2.5.1.2. Equivalence classes for Classroom Database

1. Classroom ID / Layout Acceptable
2. Classroom Name / Layout Acceptable
3. Anything else Error

2.5.1.3. Equivalence classes for Seat Database

1. Classroom ID / Seat POS / type Acceptable
2. Classroom Name / POS/ type Acceptable
3. Anything else Error

2.5.2. Checklist: The following black box tests will be performed

( ) Student DB fetch

( ) Student DB store

( ) Student DB delete

( ) Student DB edit

( ) Professor DB fetch

( ) Professor DB store

( ) Professor DB delete

( ) Professor DB edit

( ) Classroom DB fetch

( ) Classroom DB store

( ) Classroom DB delete

( ) Classroom DB edit

( ) Seat DB fetch

( ) Seat DB store

( ) Seat DB delete

( ) Seat DB edit

1. Integration Testing

3.1 . To see how well the modules interact with each other

( ) Login

( ) sign up

( ) log out

( ) edit login

( ) change password

( ) delete account

( ) Database (student)

( ) fetch

( ) edit

( ) delete

( ) store

( ) Database (professor)

( ) fetch

( ) edit

( ) delete

( ) store

( ) Database (seat)

( ) fetch

( ) edit

( ) delete

( ) store

( ) Database (classroom)

( ) fetch

( ) edit

( ) delete

( ) store

1. System Testing

4.1. To see whether or not the web application works on multiple internet browsers including Chrome, Firefox, Microsoft Edge, Internet Explorer

4.2. Integration Testing Checklist

( ✓ ) Chrome

( ✓ ) Firefox

( ✓ ) Microsoft Edge

( N/A ) Internet Explorer

( ✓ ) Safari

5. Acceptance Testing

5.1. To test the finishing touches and make sure everything is finally working before the final product is pushed out.

5.2. Acceptance Testing Checklist

( ✓ ) See if UI is refined and polished

( ✓ ) login

( ✓ ) logout

( ✓ ) sign up

( ✓ ) change password

( ✓ ) table size specification

( x ) See if all buttons work

( ✓ ) classroom list

( ✓ ) edit

( ✓ ) view

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| TEST NUMBER | DESCRIPTION | INPUT | EXPECTED OUTPUT | DATE TESTED | PROBLEM | SOLUTION |

**UNIT TESTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 Blackbox | Sign up | User: u1  Pass: 123 | Sign up | 11/18 | none | none |
| 2 Blackbox | Log out | None | Log out | 11/18 | none | none |
| 3 Blackbox | Log in | User: u1  Pass: 123 | Log in | 11/18 | none | none |
| 4 Blackbox | Change password | User: u1  Pass: 123  Pass: 1234 | Password changes | 11/18 | none | none |
| 5 Blackbox | Log in | User: u1  Pass: x | Cannot log in | 11/18 | none | none |
| 6 Blackbox | Log in | User: u2  Pass: 1234 | Cannot log in | 11/18 | none | none |
| 7 Blackbox | Sign up | User:  Pass: | Username expected | 11/18 | none | none |
| 8 Blackbox | Sign up | User: u1  Pass: | Password expected | 11/18 | none | none |
| 9 Blackbox | Sign up | User:  Pass: 123 | Username expected | 11/18 | none | none |
| 10 Blackbox | Change password | User:  Pass: 123  Pass: 1234 | Username expected | 11/18 | none | none |
| 11 Blackbox | Change password | User: u2  Pass: 123  Pass: 1234 | login does not exist | 11/18 | none | none |
| 12 Blackbox | Change password | User: u1  Pass: 12  Pass: 1234 | Wrong password | 11/18 | none | none |
| 13 Blackbox | Change password | User: u1  Pass: 123  Pass: | New password not found | 11/18 | none | none |
| 14 Blackbox | Add class | ID: valid  Name: Classname | Adds class to classlist | 11/18 | none | none |
| 15 Blackbox | Remove class | Click button | Removes class from classlist | 11/18 | N/A | Implement next sprint |
| 16 Blackbox | Add class | ID: invalid  Name: Classname | invalid cID | 11/18 | none | none |
| 17 Blackbox | Add class | ID: valid  Name: | Must name class something | 11/18 | none | none |
| 18 Blackbox | Add class | ID:  Name: Classname | Invalid cID | 11/18 | none | none |
| 19 Blackbox | Edit class | Name: Classname  New:  Classroom | Name changes | 11/18 | none | none |
| 20 Blackbox | Edit class | Name:  New: Classroom | Name of class not found | 11/18 | none | none |
| 21 Blackbox | Edit class | Name:  Classname  New: | Class cannot be renamed that | 11/18 | none | none |
| 22 Blackbox | Classroom editor link  (professor) | Click button | Takes user to classroom editor | 11/18 | none | none |
| 23 Blackbox | Select table size 1 | Select option in pulldown menu | 5x5 table shows up | 11/18 | none | none |
| 24 Blackbox | Select table size 2 | Select option in pulldown menu | 10x10 table shows up | 11/18 | none | none |
| 25 Blackbox | Select table size 3 | Select option in pulldown menu | 15x15 table shows up | 11/18 | none | none |
| 26 Blackbox | Select table size 3 | Select option in menu | 20x20 table shows up | 11/18 | none | none |
| 27 Blackbox | Custom table size | 1x1 | 1x1 table shows up | 11/18 | none | none |
| 28 Blackbox | Custom table size | 50x50 | 50x50 table shows up | 11/18 | none | none |
| 29 Blackbox | Custom table size | 1x50 | 1x50 table shows up | 11/18 | none | none |
| 30 Blackbox | Custom table size | 50x1 | 50x1 table shows up | 11/18 | none | none |
| 31 Blackbox | Custom table size | 9999x9999 | Table too large error | 11/18 | none | none |
| 32 Blackbox | Custom table size | 0x0 | Table cannot have dimension 0 | 11/18 | none | none |
| 33 Blackbox | Custom table size | 0x9999 | Table cannot that dimension 0 | 11/18 | none | none |
| 34 Blackbox | Classname | Name: classroom | Class name set to classroom | 11/18 | none | none |
| 35 Blackbox | Classname | Name: | Class must have name | 11/18 | none | none |
| 36 Blackbox | Classname | Name: (100 a’s) | Class name too long | 11/18 | none | none |
| 37 Blackbox | ClassID | ID: 12345asdfg | ID saved with classroom | 11/18 | none | none |
| 38 Blackbox | ClassID | ID: 12345asdfg | ID has already been used | 11/18 | N/A | Implement next sprint |
| 39 Blackbox | ClassID | ID: | Class must have ID | 11/18 | none | none |
| 40 Blackbox | ClassID | ID: (100 a’s) | ID too long | 11/18 | N/A | Implement next sprint |
| 41 Blackbox | Class customization | Reserve tool  When clicking on white square | White square turns red | 11/18 | none | none |
| 42 Blackbox | Class customization | Reserve tool when clicking on green square | Green square turns red | 11/18 | none | none |
| 43 Blackbox | Class customization | Reserve tool when clicking on red square | Red square stays red | 11/18 | none | none |
| 44 Blackbox | Class customization | Reserve tool when clicking out of table | nothing | 11/18 | none | none |
| 45 Blackbox | Class customization | Professor clicks on reserve tool | Can now mark class squares as reserved | 11/18 | none | none |
| 46 Blackbox | Class customization | Professor clicks on available tool | Can now mark squares as available | 11/18 | none | none |
| 47 Blackbox | Class customization | Available tool when clicking on red square | Red square turns green | 11/18 | none | none |
| 48 Blackbox | Class customization | Available tool when clicking on green square | Green square stays green | 11/18 | none | none |
| 49 Blackbox | Class customization | Available tool when clicking on white square | White square turns green | 11/18 | none | none |
| 50 Blackbox | Class customization | Available tool when clicking outside table | nothing | 11/18 | none | none |
| 51 Blackbox | Class customization | Professor clicks on eraser tool | Professor can now mark squares as white | 11/18 | none | none |
| 52 Blackbox | Class customization | Eraser tool when clicking on red squares | Red square turns white | 11/18 | none | none |
| 53 Blackbox | Class customization | Eraser tool when clicking on green squares | Green square turns white | 11/18 | none | none |
| 54 Blackbox | Class customization | Eraser tool when clicking on white squares | White square stays white | 11/18 | none | none |
| 55 Blackbox | Class customization | Eraser tool when clicking outside table | nothing | 11/18 | none | none |
| 56 Blackbox | Save | Click button | Saves class table | 11/18 | none | none |
| 57 Blackbox | Clear | Click button | Turns all table squares white | 11/18 | N/A | Implement next sprint |
| 58 Blackbox | Edit in classlist | Click button | Takes professor to the class table layout | 11/18 | none | none |
| 59 Blackbox | Reserve seat | Click green square | Student is prompted to enter in email | 11/18 | none | none |
| 60 Blackbox | Reserve seat | Click red square | Seat already reserved by  email @pitt.edu | 11/18 | none | none |
| 61 Blackbox | Reserve seat | Click white square | Nothing | 11/18 | none | none |
| 62 Blackbox | Reserve seat | When prompted  Email: valid@pitt.edu | Seat successfully reserved | 11/18 | N/A | Implement next sprint |
| 63 Blackbox | Reserve seat | When prompted  Email: | Invalid email | 11/18 | N/A | Implement next sprint |
| 64 Blackbox | Reserve seat | When prompted  Email:  repeated @pitt.edu | Email already used for this class | 11/18 | N/A | Implement next sprint |
| 65 Blackbox | Return to classlist | Click button | User taken out of classroom and returned to classlist | 11/18 | none | none |
| 66 Blackbox | Add notes (professor) | Click seat  Note: asdf | Note added | 11/18 | N/A | Implement next sprint |
| 67 Blackbox | Add notes (professor) | Click seat  Note: (100 a’s) | Note too long | 11/18 | N/A | Implement next sprint |
| **68 Whitebox** | **Add class (professor)** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Valid class addition** | 11/18 | none | none |
| **69 Whitebox** | **Add class (professor), incorrect professor username** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| **70 Whitebox** | **Add class (professor), incorrect classroom name** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| **71 Whitebox** | **Add class (professor), incorrect dimension x** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| **72 Whitebox** | **Add class (professor), incorrect dimension y** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| **73 Whitebox** | **Add class (professor), incorrect course number** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| **74 Whitebox** | **Add class (professor), incorrect course title** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| **75 Whitebox** | **Add class (professor), incorrect table** | **p\_username, classroom\_name, dimensionX, dimensionY, course\_number, course\_title, table** | **Invalid class addition** | 11/18 | none | none |
| 76 Blackbox | Table grid test 5x5 | Use reserve tool on all squares of grid | All squares in the grid are interactable by reserve tool | 11/18 | none | none |
| 77 Blackbox | Table grid test 10x10 | Use reserve tool on all squares of grid | All squares in the grid are interactable by reserve tool | 11/18 | none | none |
| 78 Blackbox | Table grid test 15x15 | Use reserve tool on all squares of grid | All squares in the grid are interactable by reserve tool | 11/18 | none | none |
| 79 Blackbox | Table grid test 20x20 | Use reserve tool on all squares of grid | All squares in the grid are interactable by reserve tool | 11/18 | none | none |
| 80 Blackbox | Table grid test customized dimensions | Use reserve tool on all squares of grid | All squares in the grid are interactable by reserve tool | 11/18 | none | none |
| 81 Blackbox | Table grid test 5x5 | Use available tool on all squares of grid | All squares in the grid are interactable by available tool | 11/18 | none | none |
| 82 Blackbox | Table grid test 10x10 | Use available tool on all squares of grid | All squares in the grid are interactable by available tool | 11/18 | none | none |
| 83 Blackbox | Table grid test 15x15 | Use available tool on all squares of grid | All squares in the grid are interactable by available tool | 11/18 | none | none |
| 84 Blackbox | Table grid test 20x20 | Use available tool on all squares of grid | All squares in the grid are interactable by available tool | 11/18 | none | none |
| 85 Blackbox | Table grid test customized dimensions | Use erase tool on all squares of grid | All squares in the grid are interactable by erase tool | 11/18 | none | none |
| 86 Blackbox | Table grid test 5x5 | Use erase tool on all squares of grid | All squares in the grid are interactable by erase tool | 11/18 | none | none |
| 87 Blackbox | Table grid test 10x10 | Use erase tool on all squares of grid | All squares in the grid are interactable by erase tool | 11/18 | none | none |
| 88 Blackbox | Table grid test 15x15 | Use erase tool on all squares of grid | All squares in the grid are interactable by erase tool | 11/18 | none | none |
| 89 Blackbox | Table grid test 20x20 | Use erase tool on all squares of grid | All squares in the grid are interactable by erase tool | 11/18 | none | none |
| 90 Blackbox | Table grid test customized dimensions | Use erase tool on all squares of grid | All squares in the grid are interactable by erase tool | 11/18 | none | none |
| 91 Blackbox | Table grid test 5x5 | Click save button after making modifications | Table successfully saves | 11/18 | none | none |
| 92 Blackbox | Table grid test 10x10 | Click save button after making modifications | Table successfully saves | 11/18 | none | none |
| 93 Blackbox | Table grid test 15x15 | Click save button after making modifications | Table successfully saves | 11/18 | none | none |
| 94 Blackbox | Table grid test 20x20 | Click save button after making modifications | Table successfully saves | 11/18 | none | none |
| 95 Blackbox | Table grid test customized dimensions | Click save button after making modifications | Table successfully saves | 11/18 | none | none |
| 96 Blackbox | Table grid test 5x5 | Click save button to make changes | Table successfully loads with all elements intact | 11/18 | none | none |
| 97 Blackbox | Table grid test 10x10 | Click save button to make changes | Table successfully loads with all elements intact | 11/18 | none | none |
| 98 Blackbox | Table grid test 15x15 | Click save button to make changes | Table successfully loads with all elements intact | 11/18 | none | none |
| 99 Blackbox | Table grid test 20x20 | Click save button to make changes | Table successfully loads with all elements intact | 11/18 | none | none |
| 100 Blackbox | Table grid test customized dimensions | Click save button to make changes | Table successfully loads with all elements intact | 11/18 | none | none |
| 101 Blackbox | Student visibility test  5x5 | Student accesses saved classroom through classID | Student is able to see all elements of saved classroom | 11/18 | none | none |
| 102 Blackbox | Student visibility test  10x10 | Student accesses saved classroom through classID | Student is able to see all elements of saved classroom | 11/18 | none | none |
| 103 Blackbox | Student visibility test  15x15 | Student accesses saved classroom through classID | Student is able to see all elements of saved classroom | 11/18 | none | none |
| 104 Blackbox | Student visibility test  20x20 | Student accesses saved classroom through classID | Student is able to see all elements of saved classroom | 11/18 | none | none |
| 105 Blackbox | Student visibility test  customized dimensions | Student accesses saved classroom through classID | Student is able to see all elements of saved classroom | 11/18 | none | none |
| 106 Blackbox | Seat exception handling | Student tries to reserve a seat that has since been deleted | Seat is no longer available | 11/18 | none | none |
| 107 Blackbox | Seat exception handling | Student tried to reserve a seat that has since been reserved | Seat is reserved by xxx@pitt.edu | 11/18 | none | none |
| 108 Blackbox |  |  |  | 11/18 | none | none |

**INTEGRATION TESTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 109 Blackbox | Student DB store | Student: name  ID: 123 | Stores student | 11/18 | none | none |
| 110 Blackbox | Student DB store | Student: name  ID: 123 | ID already used | 11/18 | none | none |
| 111 Blackbox | Student DB store | Student: name  ID: 124 | Stores student | 11/18 | none | none |
| 112 Blackbox | Student DB load | Student: name  ID: 123 | Name  123  Seats reserved: | 11/18 | none | none |
| 113 Blackbox | Student DB load | Student:  ID: 123 | Name  123  Seats reserved: | 11/18 | none | none |
| 114Blackbox | Student DB load | Student: name  ID: | ID required | 11/18 | none | none |
| 115 Blackbox | Student DB edit | Student: name  ID: 123  Newname: name1 | Name1  123  Seats reserved: | 11/18 | none | none |
| 116Blackbox | Student DB edit | Student: name  ID: 123  newID: 12345 | Name  12345  Seats reserved: | 11/18 | none | none |
| 117 Blackbox | Student DB edit | Student:  Name  ID: 123  newID: 124 | ID already in use | 11/18 | none | none |
| 118 Blackbox | Student DB delete | Student: Name  ID: 123 | Student deleted | 11/18 | none | none |
| 119Blackbox | Student DB Delete | ID: 124 | Student deleted | 11/18 | none | none |
| 120 Blackbox | Student DB delete | ID: 124 | Student doesn't exist | 11/18 | none | none |
| 121 Blackbox | Student DB delete | ID: | ID required to delete student | 11/18 | none | none |
| 122 Blackbox | Professor DB store | Name: Prof  ID: 123 | User stored | 11/18 | none | none |
| 123 Blackbox | Professor DB store | Name: prof  ID: 123 | User already stored | 11/18 | none | none |
| 124 Blackbox | Professor DB store | Name:  ID: 124 | User stored | 11/18 | none | none |
| 125 Blackbox | Professor DB store | Name: prof  ID: | User ID required | 11/18 | none | none |
| 126 Blackbox | Professor DB load | Name: prof  ID: 123 | Prof  123  Classrooms: | 11/18 | none | none |
| 127 Blackbox | Professor DB load | Name:  ID: 123 | Prof  123  Classrooms: | 11/18 | none | none |
| 128 Blackbox | Professor DB load | Name: prof | ID required | 11/18 | none | none |
| 129 Blackbox | Professor DB edit | Name: prof  ID: 123  Newname: prof1 | Prof1  123  Classrooms: | 11/18 | none | none |
| 130 Blackbox | Professor DB edit | ID: 123  NewID: 124 | ID already in use for this classroom | 11/18 | none | none |
| 131 Blackbox | Professor DB edit | ID: 123  NewID: 1234 | Prof1  1234  Classrooms: | 11/18 | none | none |
| 132 Blackbox | Professor DB delete | Name: prof1  ID: 1234 | User deleted | 11/18 | none | none |
| 133 Blackbox | Professor DB delete | Name: prof1  ID: 1234 | User already deleted | 11/18 | none | none |
| 134 Blackbox | Professor DB delete | Name: prof  ID: | Need ID to delete user | 11/18 | none | none |
| 135 Blackbox | Seat DB store | ClassID: 123  POS: 5,3  State: 2 | Seat saved | 11/18 | none | none |
| 136 Blackbox | Seat DB store | ClassID: 123  POS: 5,3  State: 1 | Coordinates full | 11/18 | none | none |
| 137 Blackbox | Seat DB store | ClassID: | Need cID  To store seat | 11/18 | none | none |
| 138 Blackbox | Seat DB store | ClassID:123  POS:  State: 1 | POS needed to store seat | 11/18 | none | none |
| 139 Blackbox | Seat DB store | ClassID: 123  POS: 4,4  State: | State needed to store seat | 11/18 | none | none |
| 140 Blackbox | Seat DB load | ClassID:123 | All seats:  POS and state | 11/18 | none | none |
| 141 Blackbox | Seat DB load | ClassID:123  POS: 5,3 | State: 2 | 11/18 | none | none |
| 142 Blackbox | Seat DB load | ClassID:123  State: 2 | All seats in classroom with state 2 | 11/18 | none | none |
| 143 Blackbox | Seat DB delete | ClassID:123  POS: 5,3 | Seat deleted | 11/18 | none | none |
| 144 Blackbox | Seat DB delete | ClassID:123  POS: | POS needed to delete seat | 11/18 | none | none |
| 145 Blackbox | Seat DB delete | ClassID:  POS: | cID needed to delete seat | 11/18 | none | none |
| 146 Blackbox | Seat DB  edit | ClassID: 123  POS: 5,3  State: 1  Newstate: 2 | Seat state changed | 11/18 | none | none |
| 147 Blackbox | Seat DB edit | ClassID: 123  POS:  State:1  Newstate:2 | Need POS of seat | 11/18 | none | none |
| 148 Blackbox | Seat DB edit | ClassID:  POS: 5,3  State:1  Newstate:2 | Need cID of seat | 11/18 | none | none |
| 149 Blackbox | Seat DB edit | ClassID: 123  POS: 5,3  State:1  Newstate:1 | State already set to that value | 11/18 | none | none |
| 150  Blackbox | Saving a classroom from editor | Create a classroom with ID 1234 | Classroom and seats will be added to the respective databases | 11/18 | none | none |
| 151  Blackbox | Saving a classroom from editor | Create a classroom with no seats | Classroom must have at least one seat | 11/18 | none | none |
| 152  Blackbox | Reserving a seat | User reserves a seat | Seat updates from unreserved to reserved | 11/18 | none | none |
| 153 Blackbox | reserved seat removed | User unreserves a seat | Seat updates from reserved to unreserved | 11/18 | N/A | Implement next sprint |
| 154 Blackbox | Removed reserved seat | Professor removes a reserved seat | Student receives an email saying they must reserve a new seat | 11/18 | N/A | Implement next sprint |
| 155  Blackbox | Moved reserved seat | Professor moves a reserved seat | Student receives an email saying their seat has been moved | 11/18 | N/A | Implement next sprint |
| 156  Blackbox | User info change | Click change password button | Prompt with old pass and new pass | 11/18 | N/A | Implement next sprint |
| 157  Blackbox | User info change prompt | old pass: 123  New pass:1234 | User’s password gets updated | 11/18 | N/A | Implement next sprint |
| 158  Blackbox | User info change | Click change name button | Prompt with pass and new name | 11/18 | N/A | Implement next sprint |
| 159  Blackbox | User info prompt | New name: name3  Pass: 1234 | User’s name gets updated | 11/18 | N/A | Implement next sprint |
| 160  Blackbox | User info change | Click change ID button | Prompt with old id, pass, and new id | 11/18 | N/A | Implement next sprint |
| 161  Blackbox | User info prompt | Oldid: 123  Pass: 1234  newid:12345 | User’s ID gets updated | 11/18 | N/A | Implement next sprint |
| 162  Blackbox | User info prompt | Oldid:  Pass: 1234  newid:12345 | Invalid Oldid | 11/18 | N/A | Implement next sprint |
| 163  Blackbox | User info prompt | Oldid: 123  Pass:  newid:12345 | Invalid pass | 11/18 | N/A | Implement next sprint |
| 164  Blackbox | User info prompt | Oldid: 123  Pass: 1234  newid: | Invalid newid | 11/18 | N/A | Implement next sprint |
| 165  Blackbox | User info change | Click change email button | Prompt with pass and old email | 11/18 | N/A | Implement next sprint |
| 166  Blackbox | User info prompt | Pass: 1234  Oldemail: [xx@pitt.edu](mailto:xx@pitt.edu)  Newemail: xxx@pitt.edu | Email gets changed | 11/18 | N/A | Implement next sprint |

**SYSTEM TESTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 167 Blackbox | Chrome compatibility | Run on google chrome | runs | 11/18 | none | none |
| 168 Blackbox | Firefox compatibility | Run on firefox | runs | 11/18 | none | none |
| 169 Blackbox | Safari compatibility | Run on safari | runs | 11/18 | none | none |
| 170 Blackbox | Edge compatibility | Run on microsoft edge | runs | 11/18 | none | none |
| 171 Blackbox | IE compatibility | Run on Internet Explorer | runs | 11/18 | IE cannot be installed anymore | none |

**ACCEPTANCE TESTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 172 Blackbox | Login Acceptance | User: test  Pass: 123 | Logs in successfully | 11/18 | none | none |
| 173  Blackbox | Logout Acceptance | Click Logout button | Logs out successfully | 11/18 | none | none |
| 174  Blackbox | Signup Acceptance | User: test2  Pass: 123 | Signs up successfully | 11/18 | Students are not given confirmation that they have successfully signed up | Add confirmation for signup as student |
| 175  Blackbox | Classlist Acceptance | Upon sign in | Class list shows all of user’s classes | 11/18 | none | none |
| 176  Blackbox | View Acceptance  (student) | Click view | Allows for class info to be viewed | 11/19 | none | none |
| 177 Blackbox | Edit Acceptance (professor) | Click edit button | Takes user to classroom editor | 11/18 | none | none |
| 178  Blackbox | Classroom  Acceptance | Variable | All customization tools work | 11/18 | none | none |
| 179  Blackbox | Classroom acceptance | Click save button | Classroom is saved and can be accessed / changed later | 11/18 | none | none |
| 180  Blackbox | Seat Acceptance  (student) | Clicking available seat | Seat successfully saved | 11/19 | none | none |
| 181  Blackbox | Accepting invite  (student) | Click accept button | Successfully adds classroom to classroom list | 11/19 | none | none |
| 182  Blackbox | Seat Acceptance  (student) | Clicking on a reserved seat | Prompted that the seat is reserved | 11/19 | none | none |
| 183  Blackbox | Layout acceptance | Clicking all buttons | All buttons work correctly | 11/19 | All buttons do not work correctly | None yet |
| 184  Blackbox | Accept invite  (student) | Login and check invites | Students added to classroom DB | 11/18 | Students do not recieve invite | None yet |
| 185  Blackbox | Account can relogin after the website is relaunched | Login after relaunch | Successfully login on previously made account | 11/19 | none | none |
| 186  Blackbox | Database capacity (classrooms) | Expected number of classrooms  900 | Database is able to store number of classrooms | 11/18 | none | none |
| 187  Blackbox | Database capacity  (seats) | Expected number of seats  10000 | Database is able to store number of seats | 11/18 | none | none |
| 188  Blackbox | Database functionality  student | Name  ID | Expected name and ID are returned | 11/18 | none | none |
| 189  Blackbox | Database functionality  Professor | Name  ID | Expected name and ID are returned | 11/18 | none | none |
| 190  Blackbox | Database functionality  classroom | ClassID | Expected classroom layout is returned | 11/18 | none | none |
| 191  Blackbox | Database functionality seat | ClassID  POS | Seat state (reserved or unreserved) is returned | 11/18 | none | none |
| 192  Blackbox | Login button | Upon entering info and clicking button | User taken to their classlist | 11/18 | none | none |
| 193  Blackbox | Change seat  student | Click a new seat after having reserved one | Allows for seat to change | 11/19 | None | none |
| 194 Blackbox | Window resize student | Resizing window | Elements do not change or jumble | 11/19 | none | none |
| 195  Blackbox | home button | Click Seatpursuit in top left | Links to classroom list | 11/19 | none | none |
| 196  Blackbox | Window resize professor | Resizing window | Elementrs do not change or jumble | 11/19 | none | none |
| 197  Blackbox | Edit button professor | Clicking the edit button as professor | Takes user to the specific classroom layout that was clicked | 11/18 | none | none |
| 198  Blackbox | Window resizing  20x20 | Resize window while viewing/creating classroom | Table stays the same dimensions | 11/19 | none | none |
| 199  Blackbox | View roster  (professor) | Click roster button | Roster with all students shows up | 11/19 | Roster is not showing up or crashes | None yet |
| 200  Blackbox | Upload student (professor) | Csv file with emails | Roster is updated and students get sent emails | 11/18 | Roster is not updating correctly | None yet |