Time Bank Tracker Testing Results

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Unit Tests

Test #	Requirement	Subsystem	Purpose	Test Case Data	Expected Results	Result
1	Upload CSV	Uploads	To test if class creation is correct	F19_240.csv OR S19_430.csv	A class with students is made	It uploads the csv, but it doesn't give you a verification that it is uploaded. It's a bit tedious to go to another tab to check if it worked.
2	Upload CSV	Uploads	To test if you can upload other files	file.txt	An error comes up that says not a CSV	Success: Tried to upload .txt document and Error says not a csv. (Error text could be larger?)
3	Upload Assignments CSV	Uploads	To test if Assignment creation is correct	F19_240_Work.csv OR S19_430_Work.csv	An assignments list is made	See bug report #1 in Appendix
4	Upload Assignments CSV	Uploads	To test if you can upload other files	file.txt	An error comes up that says not a CSV	Tried to download a word document and it gave an error.
5	Upload Assignments CSV	Creation	To test if an Assignment can be created	Assignment name : hello assignment Initial due date: 10/5/2018	Assignment is created	assignment hello added for class F19_240
6	Upload Assignments CSV	creation	To test if an assignment with an improper due date can be uploaded	Assignment name : hello assignment Initial due date: 10-5-2018	Assignment is not created	See bug report #2 in Appendix
7	Login Admin	Login	To test if admin can log in	Username: admin Password: admin	Logged in	Logged in successfully

8	Login Admin	Login	To test if fake admin can log in	Username: notadmin Password: notadmin	Not logged in	Fake admin was not able to log in
9	Login Admin	Login	To test if admin can login in student login	Username: admin Password: admin	Not logged in	Admin is not able to log into student login
10	Login Student	Login	To test if student can log in	User uploaded Student CSV and pick one	Logged in	Logged in (it was kind of confusing which on the csv was the username and which was password)
11	Login Student	Login	To test if fake student can log in	User uploaded student csv pick one not in	Not logged in	Fake student could not log in
12	Login Student	Login	To test if student can login in admin login	User uploaded Student CSV and pick one see if can log in admin	Not logged in	Student was not able to log into admin login
13	Use Timebank	timebank	To test if a timebank can be used	1 day used	Days should go down and be used	Success: 1 day was used on proj1 and the count went down by one day successfully.

Also: now when you try to use a time bank day and have not selected project, it doesn't let you use a time bank day, which is good. However, it still says 'Due Date Updated' which should be changed. |
| 14 | Use Timebank | timebank | To test if a timebank can be used if there aren't enough days | 6 day used | Days should not go down and not be used | See Bug report #3 in Appendix

Now you can't use more time bank days than you have. That is fixed however, you can only use 2 of your days, which is an error. |

| 15 | Use Timebank | timebank | To test if a timebank can be used | -1 day used | Nothing should happen but an error | So I didn't see an error. It said I got the extension even though I went over on my allowed days. The 240 files were used. The error was on the student side

Updated: This is fixed: If you type in a negative number, now it says 'the value must be greater than or equal to 0.' The time bank days don't go down. |

Validation Tests

Test #	Requirement	Subsystem	Purpose	Test Case Data	Expected Results	Results
1	Uses HTML	Code	To ensure the code is HTML based	none	The code is in HTML/PHP	Yes, the code is in PHP
2	Hosted on CS server	Code	To ensure website is on CS server	none	Website is on CS server	Yes, it is on the CS server
3	Professor account/professor dash	Login	To test if admin can log in	Username: admin Password: admin	Logged in and see the professor dash and cannot navigate to student dash pages	Yes, can login and can see only the professor dash, not the student dash
4	Professor account/professor dash	Login	To test if fake admin can log in	Username: notadmin Password: notadmin	Not logged in	Duplicate

5	Professor account/professor dash	Login	To test if admin can login in student login	Username: admin Password: admin	Not logged in	Duplicate
6	Student account/ student dash	Login	To test if student can log in	User uploaded Student CSV and pick one	Logged in and can see student dash and cannot navigate to admin account dash	Duplicate
7	Student account/ student dash	Login	To test if fake student can log in	User uploaded Student CSV and pick one not in the CSV	Not logged in	Duplicate
8	Student account/ student dash	Login	To test if student can login in admin login	User uploaded Student CSV and pick one and to log into admin	Not logged in	Duplicate
9	Terms of Service	Login	To test if a first time user sees the Terms of Service and has to agree to them	agree	Logged in and can see student dash and cannot navigate to admin account dash	Yes, when logging in for the first time, the student user sees the terms of service. When logging in the second time with the same student, they no longer have to accept the terms of service, which

						is correct.
10	Terms of Service	Login	To test if a first time user sees the Terms of Service and has to agree to them	disagree	Not logged in	The student was unable to log in without agreeing
11	Student Account Info	admin	To see if the admin can see the student account info	none	Admin can navigate to and see student info in analysis and in class view. Admin cannot see passwords	Admin can see student info in analysis and class view and is unable to see passwords. The analysis page shows no timebank days have been used
12	Student Account Info	admin	To see if the student can see the student account info	none	Student cannot access any files but their own	Student cannot access another students information.
13	Initial Timebank Days/ Class creation	admin	To see if timebank days are created with the student account creation	F19_240.csv OR S19_430.csv	Class should be created and students should have 3 timebank days	Duplicate
14	Assignment View/ Upload Assignments	admin	To see if assignments can be viewed and uploaded	Assignment name : hello assignment Initial due date: 10/5/2018	Assignments should be viewable and created	Duplicate

				OR [F19_240_Work.csv](#) OR [S19_430_Work.csv](#)		
15	Add timebank days/ view timebank days	timeb ank	To see if timebank days can be viewed and can be added to only by admin	1 day added	Timebank days are viewable and increased	This does not work on the student section. If I put in 20, a number that is more than the days I have. It shows a negative number. If I put in a negative number an error pops up.
16	Use Timebank	timeb ank	To test if a timebank can be used	1 day used	Days should go down and be used assignment updated in assignment view for student	Duplicate
17	Use Timebank	timeb ank	To test if a timebank can be used if there aren't enough days	6 day used	Days should not go down and not be used nothing changed in assignment view for students	Duplicate

| 18	Use Timebank	timebank	To test if a timebank can be used	-1 day used	Nothing should happen but an error	Duplicate
19	Due date view	UI	To see if you can view the due date in the assignments tab	none	Should be viewable for both professors and students	Success, you can view due dates as admin and as a student.
20	Delete all	admin	admin can delete all	Username: admin Password: admin	All classes and assignments deleted	You are successfully able to delete everything.
21	Delete all	admin	Student cannot delete all	Choose a valid student from the student CSV that has been uploaded	Page cannot be accessed.	A student cannot delete all, due to the password requirement. UNLESS They enter the admin section, go to change the password, change the password, then they can login to delete all the files. When changing passwords a feature that forces you to know the previous password, would be a good step to prevent this. See bug report #4 in Appendix

Additional Comments:
- Security Issue with student and admin access
  https://photos.app.goo.gl/KU7hWtCQ5XVJiK2K8
  If you know the php code you can access or change anything in admin
- Admin account; When trying to give a student more

Appendix - Bug Reports

1. Unit test 3 resulted in an error. The bug report for this failure is as follows:
    1.1. What file associated accessed did the bug occur on?
        F19_240_Work.csv
    1.2. What subsection of the website did the bug occur on (admin view, student view, etc)?
        assignmentsUpload.php
    1.3. What did you do to cause this bug? Please describe.
        Attempted to upload a csv file
    1.4. What happened as a result of the bug? Please describe.
        A blank page with the following error appeared:
        Error executing query: (1292) Incorrect date value: " for column 'initDue' at row 1
2. Unit test 6 resulted in an error. The bug report for this failure is as follows:
    2.1. What file associated accessed did the bug occur on?
        S19_430_Work.csv
    2.2. What subsection of the website did the bug occur on (admin view, student view, etc)?
        assignmentsUpload.php
    2.3. What did you do to cause this bug? Please describe.
        Imported the csv to the assignments upload and an error query popped up. This did not work for a correct and incorrect date
    2.4. What happened as a result of the bug? Please describe.
        A blank page with the following error appeared:
        Error executing query: (1292) Incorrect date value: 'person' for column 'initDue' at row 1
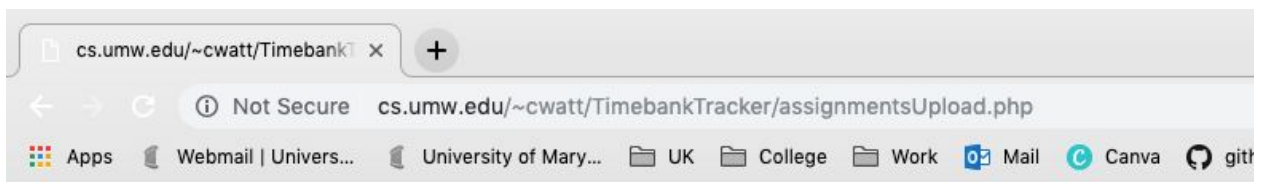
Error executing query: (1292) Incorrect date value: 'person' for column 'initDue' at row 1

Error executing query: (1292) Incorrect date value: '2/15/19' for column 'initDue' at row 1

3. Unit test 14 resulted in an error. The bug report for this failure is as follows:
   3.1. What file associated accessed did the bug occur on?
   F19_240_Work.csv and F19_240.csv were in the system.
   3.2. What subsection of the website did the bug occur on (admin view, student view, etc)?
   Student view, in useTimeBank.php
   3.3. What did you do to cause this bug? Please describe.
   Use 3 time bank days when you have 3 time bank days left.
   3.4. What happened as a result of the bug? Please describe.
   You cannot use 3 time bank days, it says 'That is not a valid timebank entry'. You can only use 2 at the most, and then when you have one day left you cannot use that one last day (I think maybe you're using a > and not a => to be off by one, or something like that?)
4. Validation test 21 resulted in an error. The bug report for this failure is as follows:
   4.1. What file associated accessed did the bug occur on?
   Both files F19_240 and S19_430 were in the system
   4.2. What subsection of the website did the bug occur on (admin view, student view, etc)?
   Student view, in order to gain access
   4.3. What did you do to cause this bug? Please describe.
   I logged in to the student account. I then edited the url to be changePasswordAdmin.php; changed the admin password(because it doesn't request an old password), then went to the Delete All Classes tab and deleted all the classes.
   4.4. What happened as a result of the bug? Please describe.
   I was able to change the admin's password and delete all the classes in the system.