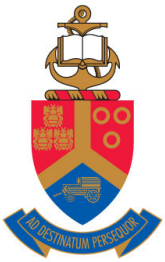

UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

COS301 Mini Project
Testing Report: Reporting module

Vivian Venter *u13238435*
Tienie Pritchard *u12056741*
Lindelo Mapumulo *u12002862*
Sphelele Malo *u12247040*
Martha Mohlala *u10353403*
Sean Hill *u12221458*
Goodness Adegbenro *u13046412*
Tsepo Ntsaba *u10668544*
Michael Nunes *u12104592*

Here's a link to GitHub.
`https://github.com/VivianLVenter/TestPhase-Reporting`

April 21, 2015

Contents

1 Testing TeamA

1.1 Functional Requirements Review

Treads.getThreadStats The getThreadStats function has achieved what it needs to do but it has minimal error checking.The parameters that are required are all available.The set parameter contains a list of posts.The action parameter is tested for Num, MemCount, MaxDepth, AvgDepth.The action that is specified will carry out the appropriate action to be done with the threads such as calculate the number of threads.There is no error checking so if the action specified is not one of the ones in the functional requirements then the return value will be null which could cause a problem when the module is integrated with the other modules.There is no exception thrown so the function will exit without any knowledge of an error. GetThreadAppraisal The GetThreadAppraisal function works and produces the required output and will calculate the appraisals.All the parameters and post conditions are present.The data is stored correctly into a dataset,JSON string, which contains all the entries for that thread and a action value.The action value which is specified as one of the parameters to be either Sum,Avg,Max,Min or Num.The entries contain all of the threads and the information about the thread including an ordinal vale for the thread which is used in the calculation that is specified by the action.There is no error checking so if the action value is not one that is specified then the action value will not be set and this could cause problems in integration. ExportThreadAppraisal The ExportThreadAppraisal function works and runs without error.The function has only one parameter which is a threadID parameter which is used to get the thread and then it creates a CSV file using a helper function.The CSV file is created with all the relevant information about the threads appraisals and then is downloaded for the user.IF the ThreadID is not in the system the functions exits but does not notify the user of this error.

1.2 Architectual Requirements Review

2 Testing TeamB

2.1 Functional Requirements Review

2.1.1 Threads.getThreadStats

2.1.2 Import Thread Appraisal

Data in an external file that was created using the exportThreadAppraisal function is used.

Partial Passed

The module do make use of a file. The file is sent as arguments in the importThreadAppraisal function (parameters are directory and fileName). So in this function they assume this is the file created by the exportThreadAppraisal function.

The data set is associated with only one member and only one specified appraisal.

Failed

The function never actually check if the data set is about only one member and only one specific appraisal. Therefore the data cannot be deemed as eligible for import.

A record contains all detail about the post along with a field that should contain an ordinal number that represents the levels of the specified appraisal.

Passed

The record does contain all detail about the post and a field that represents the leves of the specified appraisal which is the appraisalValue.

Edits to the data is ignored when importing a thread appraisal.

Failed

The function does not prevent edits to the data and there is not clear indicated of ignoring such edits.

For each record the assignAppraisalToPost function is applied.

Passed

The function does call assignAppraisalToPost for each record.

The appraisal level as stored in the file for each post is updated as an appraisal assigned by the member associated with the data set.

Failed

The function does not use the appraisal level to update the data set.

Check validity of member and appraisal.

Partial Passed

The function does check the validity of the member, however they have a dummy function that only returns true.

The function does check the validity of the appraisal, however no exception is thrown/raised it only returns true or false and there is also no means of catching an exception, that is the isValid function is not surrounded with try/catch blocks to catch exceptions and therefore the service delivery is not stopped when the appraisal is not valid.

The appraisal level is check for out of range, however no exception is thrown/raised when is it out of range and there the service delivery is not stopped if the appraisal level is out of range.

2.1.3

2.1.4

2.2 Architectual Requirements Review

3 Conclusion

3.1 Conclusion