Application Manager System Test Plan

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Introduction

The System Test Plan provides test cases for the functionality of the Application Manager.

To run the tests:
1. Right click on ApplicationManagerUI class in the Package Explorer.
2. Select Run As > Java Application.

Test Files

app1.txt

```
*1,Review,New,Application summary,,false,
-[Review] Note 1
*3,Interview,Old,Application summary,reviewer,false,
-[Review] Note 1
-[Interview] Note 2
that goes on a new line
*7,RefCheck,Old,Application summary,reviewer,true,
-[Review] Note 1
-[Interview] Note 2
-[RefCheck] Note 3
*14,Waitlist,New,Application summary,,false,ReviewCompleted
-[Review] Note 1
-[Waitlist] Note 2
that goes on a new line
*16,Offer,Old,Application summary,reviewer,true,
-[Review] Note 1
that goes on a new line
-[Interview] Note 2
-[RefCheck] Note 3
-[Offer] Note 4
*15,Closed,Old,Application summary,reviewer,true,OfferCompleted
-[Review] Note 1
that goes on a new line
```

```
-[Interview] Note 2
-[RefCheck] Note 3
-[Offer] Note 4
-[Closed] Note 6
```

System Tests

Write at least 5 tests. We will grade the first five. Your tests should consider more complex scenarios than basic system startup and an invalid test file.

Test ID	Description	Expected Results	Actual Results
Test 1: Add Applications	Preconditions: The ApplicationManagerUI has opened and loaded. 1. Select **Add New Application** 2. Enter Application Summary: "Summary 1" and Note: "Note 1" 3. Select **Add Application to List** 4. Select **Add New Application** 5. Enter Application Summary: "Summary 2" and Note: "Note 2" 6. Click **Add Application to List** 7. Select **Add New Application** 8. Enter Application Summary: "Summary 3" and Note: "Note 3" 9. Click **Add Application to List** 10. Check *results* 11. Close GUI	Applications are added to list in order by ID. The application list displays three applications in order with IDs 1-3. All the applications are in the "Review" state with type "New". Application log displays: -1, Review, New, Summary 1 -2, Review, New, Summary 2 -3, Review, New, Summary 3 Display returned to the application list.	**Test Passed.** **The application loads with six buttons: Show All Applications, List New Applications, List Old Applications, Add New Application, Delete Selected Application, and Edit Selected Application. The Application log populates with:** **-1, Review, New, Summary 1** **-2, Review, New, Summary 2** **-3, Review, New, Summary 3** **All the applications are in the Review state with type New.**
Test 2: Update Application	Preconditions: Test 1 has passed. 1. Select Application ID 1 in the application list 2. Select **Edit Selected Application** 3. Check *results* 4. Select **Accept**	Display transfers to the edit page which lists application information for current state of application: -Application Id: 1 -Application State: "Review"	**Test Passed.** **After selecting edit for Application 1, the display transferred to the editing page. Here, all of Application 1's information was displayed accurately:**

	5. Check *results* 6. Enter **Reviewer Id:** "Reviewer 1" and **Note:** "Accepting app" 7. Select **Accept** 8. Check *results* 9. Select Application ID 1 in the application list 10. Select **Edit Selected Application** 11. Check *results* 12. Enter **Reviewer Id:** "Reviewer", Check **Process paperwork**, Enter **Note:** "Accept int" 13. Check *results* 14. Close GUI	-Application Summary: "Summary 1" -Application Type: "New" -Processed: "false" -Reviewer and Resolution are empty -Notes: "-[Review] Note 1" Pop-up box displays, "Invalid information." Application list displays: -1, Interview, Old, Summary 1 -2, Review, New, Summary 2 -3, Review, New, Summary 3 Display transfers to the edit page: -Application Id: 1 -Application State: "Interview" -Application Summary: "Summary 1" Application Type: "Old" Reviewer: "Reviewer 1" Processed: "false" Resolution: <Empty> Notes: "-[Review] Note 1 \n – [Interview] Accepting app" Application list displays: -1, RefCheck, Old, Summary 1 -2, Review, New, Summary 2 -3, Review, New, Summary 3	**-Application ID: 1** **-Application State: "Review"** **-Application Summary: "Summary 1"** **-Application Type: "New"** **-Processed: "false"** **-Reviewer and Resolution: <Empty>** **-Notes: "-[Review] Note 1"** **After selecting Accept, a pop-up box appeared displaying the message, "Invalid information." Since nothing was entered for Reviewer ID and Note.** **After entering this information, the display returned to the application list which displayed:** **-1, Interview, Old, Summary 1** **-2, Review, New, Summary 2** **-3, Review, New, Summary 3** **In deciding to edit Application 1 once again, the display returned to the editing page which displayed:** **-Application Id: 1** **-Application State: "Interview"** **-Application Summary: "Summary 1"** **Application Type: "Old"** **Reviewer: "Reviewer 1"** **Processed: "false"**

			Resolution: <Empty> Notes: "-[Review] Note 1 \n – [Interview] Accepting app" **After entering a Reviewer ID, checking Process paperwork, and entering a Note, the application list displayed:** **-1, RefCheck, Old, Summary 1** **-2, Review, New, Summary 2** **-3, Review, New, Summary 3**
Test 3: List Old Applications	Preconditions: Test 2 has passed. 1. Select **List Old Applications** 2. Check *results* 3. Select **Show All Applications** 4. Check *results* 5. Close GUI	The application list populates with only one application: -1, Interview, Old, Summary 1 The application list populates again with all three added applications: -1, Interview, Old, Summary 1 -2, Review, New, Summary 2 -3, Review, New, Summary 3	**Test Passed.** **After selecting List Old Applications, the application list only displayed the one application that has moved past the Review state:** **-1, Interview, Old, Summary 1** **After selecting Show All Applications, the application list once again displayed all the previously added applications:** **-1, Interview, Old, Summary 1** **-2, Review, New, Summary 2** **-3, Review, New, Summary 3**
Test 4: Reject Application	Preconditions: Test 2 has passed. 1. Select ID 1 in the application list 2. Select **Edit Selected Application** 3. Check *results*	The display transfers to the edit page: -Application Id: 1 -Application State: "RefCheck" -Application Summary: "Summary 1"	**Test Passed.** **After deciding to edit Application 1, the display transferred to the editing page. Here, all of Application 1's**

	4. Enter **Reviewer Id:** "Reviewer", Enter **Note:** "Reject app" 5. Select **Reject** 6. Check *results* 7. Close GUI	-Application Type: "Old" -Reviewer: "Reviewer" -Processed: "true" -Resolution: <Empty> -Notes: "-[Review] Note 1 \n – [Interview] Accepting app \n – [RefCheck] Accept int Display returns to the application list: -1, Closed, Old, Summary 1 -2, Review, New, Summary 2 -3, Review, New, Summary 3	**information was shown accurately:** **-Application Id: 1** **-Application State: "RefCheck"** **-Application Summary: "Summary 1"** **-Application Type: "Old"** **-Reviewer: "Reviewer"** **-Processed: "true"** **-Resolution: <Empty>** **-Notes: "-[Review] Note 1 \n – [Interview] Accepting app \n – [RefCheck] Accept int** **After entering the necessary information and selecting Reject, the display returned to the application list which displayed:** **-1, Closed, Old, Summary 1** **-2, Review, New, Summary 2** **-3, Review, New, Summary 3** **Application 1 was now in the closed state after being rejected.**
Test 5: Load and Waitlist Application	Preconditions: Test 1 has passed. 1. Select **File** 2. Select **Load** 3. Select **test-files/app1.txt** and click **Open** 4. Check *results* 5. Select Application ID 3 in the application list 6. Select **Edit Selected Application**	The application list populated with six applications: -1, Review, New, Application summary -3, Interview, Old, Application summary -7, RefCheck, Old, Application summary -14, Waitlist, New, Application summary	**Test Passed.** **After following all the given directions and entering the application into Standby, the display transferred to the edit page. Here, Application 3's information was displayed accurately:** **-Application Id: 3** **-Application State: "Waitlist"**

	7. Enter **Reviewer ID:** "Reviewer", and enter **Note:** "Waitlisting app" 8. Select **Standby** 9. **Check results** 10. Select Application ID 3 in the application list 11. Select **Edit Selected Application** 12. Check *results* 13. Close GUI	-15, Closed, Old, Application summary -16, Offer, Old, Application summary Application 3 was edited. The application list now displays: -1, Review, New, Application summary -3, Waitlist, Old, Application summary -7, RefCheck, Old, Application summary -14, Waitlist, New, Application summary -15, Closed, Old, Application summary -16, Offer, Old, Application summary Display transfers to the editing page: -Application Id: 3 -Application State: "Waitlist" -Application Summary: "Application summary" -Application Type: "Old" -Reviewer: "Reviewer" -Processed: "false" -Resolution: "InterviewCompleted" -Notes: "-[Review] Note 1 \n – [Interview] Note 2 \n that goes	**-Application Summary: "Summary 3"** **-Application Type: "Old"** **-Reviewer: "Reviewer"** **-Processed: "false"** **-Resolution: "InterviewCompleted"** **-Notes: "-[Review] Note 3 \n – [Interview] Accepting rev \n – [Waitlist] Waitlisting app** **Since the application was waitlisting, its resolution displayed as "InterviewCompleted."**

		on a new line \n –[Waitlist] Waitlisting app	