



SCS2102 / IS2002

Group Project I

CV Management System for IFS

Test Case Document



SCS2102/ IS2002

Group 20

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Version: (1.0)

Date: (30/08/2015)

Table of Contents

1. Introduction	4
Purpose of the Test Case Document	4
2. Test Cases Specification	4
1. Able to navigate to recruitment session by clicking on recruitment session button ..	4
2. Create a new recruitment session	5
3. Alert user to enter required data in recruitment session form if not entered	6
4. Upload CVs to newly created recruitment session	7
5. Upload CVs to the specified recruitment session	9
6. Necessary feedback messages are displayed in uploading CVs	11
7. Filter CVs for threshold period	13
8. View recruitment session details	14
9. Recruitment sessions can be sorted according to displayed fields	15
10. Expected details are extracted from the uploaded CVs	16
11. View candidate list related to a recruitment session	18
12. Candidate list can be sorted according to displayed fields	19
13. Able to edit candidate details of a selected candidate	20
14. Change status of a candidate	21
15. Change status of a recruitment session	22
Appendix A: References	24
Appendix B: Abbreviations and Definitions	24

1. Introduction

Purpose of the Test Case Document

This document is intended to record testing related to implementations of the system so far. The intended audience is the project supervisor, project mentors, course coordinators and development team. Some portions of this document may on occasion be shared with any other stakeholder whose approval into the testing process is needed.

2. Test Cases Specification

1. Able to navigate to recruitment session by clicking on recruitment session button

Test Case ID: TC001			Test Designed date: 20.08.2015			
Test Priority (Low/Medium/High): Medium			Test Execution date: 27.08.2015			
Module Name: Home interface						
Test Title: Able to navigate to recruitment session by clicking on recruitment session button						
Description: Test the session button						
Pre Conditions: User has logged in as an administrative officer						
Dependencies: -						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Click on the "recruitment session" button	-	Shows the recruitment session page consist with already created sessions and able to create new sessions.	Shows the recruitment session page	Pass	-
Post Conditions: No significant post-conditions can be seen after executing the test						

2. Create a new recruitment session

Test Case ID: TC002			Test Designed date: 20.08.2015			
Test Priority (Low/Medium/High): High			Test Execution date: 27.08.2015			
Module Name: Recruitment Session Management						
Test Title: Create a new recruitment session						
Description: Create a new recruitment session using the "recruitment session" button						
Pre Conditions: User has logged in as an administrative officer						
Dependencies: TC001						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Click "Recruitment Session" button in the home page	-	Access to the recruitment session page	Access to the recruitment session page	Pass	-
2	Click "create new" button.	-	Display the form to create new recruitment session	Form to create new recruitment session appears	Pass	-
3	Fill the relevant fields	Session Name=Sessi on1 Job Position=Soft ware Engineer			Pass	-
4	Click create button	-	Access to the Upload CVs page	Redirected to upload CVs interface	Pass	-

Post Conditions: A new recruitment session object is created and an entry to the database with the given information is inserted. The created session will be added to the recruitment session table.

3. Alert user to enter required data in recruitment session form if not entered

Test Case ID: TC003			Test Designed date: 24.08.2015			
Test (Low/Medium/High):Medium		Priority	Test Execution date: 29.08.2015			
Module Name: Recruitment Session Management						
Test Title: Alert user to enter required data in recruitment session form if not entered						
Description: If a particular user presses ‘Create’ button without filling the session name and job position, he is notified by the system to enter those details before pressing create button.						
Pre Conditions: User must be inside the recruitment sessions page.						
Dependencies: None						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Press ‘create’ button without entering a name only for the session name	keep empty the session name and select a job position name	Alert the user to fill the empty field.	Display an alert message saying ‘please fill out this field’.	Pass	-
2	Press ‘create’ button without selecting only the job position.	does not select a job name from the drop down list and enter	Alert the user to fill the empty field	Display an alert message saying ‘please select an item in the	Pass	-

		a name for the session name		list'.		
3	Press 'create' button without entering details in both fields, session name and job position.	keep empty both fields	Alert the user to enter details for the empty fields.	Display a message near the session name input area saying, 'please fill out this field'.	Pass	-
4	Without selecting a job position,user adds a new job position	user enters a new job position which is not in the drop down list.	Does not alert user to select job position even though that field is empty and create a new recruitment session.	System does not alert user to select the job position, but still it does not create recruitment session.	Fail	Even when entering a new job position, the recruitm ent session must be created.

Post Conditions: Users are given a chance to enter those empty fields again before creating a new recruitment session.

4. Upload CVs to newly created recruitment session

Test Case ID: TC004	Test Designed date: 25.08.2015
Test Priority (Low/Medium/High): High	Test Execution date: 27.08.2015
Module Name: CV Management	
Test Title: Upload CVs to newly created recruitment session	
Description: Administrative officer are authorized to input soft copies of the CVs into the newly created recruitment session.	

Pre Conditions: Administrative officer is responsible for creating a new recruitment session prior to input CVs.

Dependencies: Relevant recruitment session has been created in the system.

Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Press 'start upload' button without adding files.	-	Alert user to add files before uploading.	Does not show an error message	Fail	must show an error message to user to add files before uploading
2	press 'Add files' button.	-	Allow user to browse any location of PC to find soft copies of CVs.	User gets a window to browse the location of CVs in his PC.	Pass	-
3	Press 'Start Upload' button after adding files.	Upload CVs which are not submitted previously .	Soft copies of the CVs go to a folder called, 'Uploads' and the candidate table in the database gets filled with new values. And user can see the upload successful messages.	Soft copies of the CVs go to a folder called, 'Uploads' and the candidate table in the database gets filled with new values. And user can see the upload successful messages.	Pass	-

4	Press 'Start Upload' button after adding files.	Upload CVs which are uploaded previously .	Soft copies of the CVs do not go to the 'Uploads' folder and the candidate table in the database has no influence. And user can see the upload unsuccessful messages.	Soft copies of the CVs do not go to the 'Uploads' folder and the candidate table in the database has no influence. And user can see the upload unsuccessful messages.	Pass	-
<p>Post Conditions: User can view details of the candidates in a table format who are relevant to that recruitment session.</p>						

5. Upload CVs to the specified recruitment session

Test Case ID: TC005	Test Designed date: 25.08.2015
Test Priority (Low/Medium/High): High	Test Execution date: 30.08.2015
Module Name: CV management	
Test Title: Upload CVs to the specified recruitment session	
Description: If previously created recruitment session is still in the state of accepting CVs,CVs can be uploaded into that recruitment session.	
Pre Conditions: There must be a created recruitment session.	
Dependencies: If the selected recruitment session is in the state of not accepting CVs,it's impossible to upload CVs into it further.	

Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Press 'start upload' button without adding files.	-	Alert user to add files before uploading.	Does not show an alert message to user	Fail	It's must show an alert message to user to add files before starting upload.
2	press 'Add files' button.	Soft copies of CVs	Allow user to browse any location of PC to find soft copies of CVs.	User gets a window to browse the location of CVs in his PC.	Pass	-
3	Press 'Start Upload' button after adding files.	Upload CVs which are not submitted previously .	Soft copies of the CVs go to a folder called, 'Uploads' and the candidate table in the database gets filled with new values. And user can see the upload successful messages.	Soft copies of the CVs go to the 'Uploads' folder and the candidate table in the database gets filled with new values as expected. And user can see the upload successful messages.	Pass	-
4	Press 'Start Upload' button after adding files.	Upload CVs which are uploaded previously	Soft copies of the CVs do not go to the 'Uploads' folder and the	Soft copies of the CVs do not go to the 'Uploads'	Pass	-

		.	candidate table in the database has no influence. And user can see the upload unsuccessful messages.	folder and the candidate table in the database has no influence. And user can see the upload unsuccessful messages		
Post Conditions: User can view details of the candidates in a table format who are relevant to that selected recruitment session.						

6. Necessary feedback messages are displayed in uploading CVs

Test Case ID: TC006			Test Designed date: 25.08.2015			
Test (Low/Medium/High):Medium		Priority	Test Execution date: 27.08.2015			
Module Name:CV Management						
Test Title:Necessary feedback messages are displayed in uploading CVs						
Description: When the CVs are being uploaded,user would be made alert						
Pre Conditions: * The logged in user should be administrative officer * Uploading process happens after the user select the option of add files and then start upload.						
Dependencies: After the selection of add files,the browsing interface shows only .pdf or .doc or .docx files,so that there is no files of other formats being uploaded.						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	User	A .docx	Alert user that	Show under	Pass	rejected

	correctly chooses a file of expected format	or .pdf file uploaded	his file uploaded successfully	relevant recruitment session that "no. of CVs uploaded" and "no. of CVs rejected:"		would be separately discussed in the TC007
2	User correctly chooses a bulk of files of expected format	A multiple set of .pdf or .doc or .docx CVs	Alert user that his file uploaded successfully	Show under relevant recruitment session that "no. of CVs uploaded" and "no. of CVs rejected:"	Pass	rejected would be separately discussed in the TC007
3	Uploading is interrupted in the middle	Make the server down while the uploading process is going on	Alert user about the interruption by letting him know up to how far the uploading process was successful	Shows the "no. of CVs uploaded" in comparison to the number of CVs chose to upload	Fail	Need to show a message it was interrupted
4	Extracting details from files was unsuccessful	Upload a CV which has an image in .pdf format and a CV which is in Sinhala	Alert user that his interaction is needed to fill the details of those candidate	In front of each candidate, what fields were extracted and what were not, are shown. The relevant CV is shown so that user can fill the area that needs to be filled by looking at it	Pass	

Post Conditions: Details of the candidates would be shown after a successful extracting and filtering process.
Database would be updated accordingly.

7. Filter CVs for threshold period

Test Case ID: TC007			Test Designed date: 20.08.2015			
Test Priority (Low/Medium/High):High			Test Execution date: 22.08.2015			
Module Name:CV Management						
Test Title:Filter CVs for threshold period						
Description:From the details extracted from the CV, ones that meet the condition of threshold period needed to be filtered and not uploaded						
Pre Conditions: * CVs should have been uploaded * Data extraction has happened						
Dependencies:None						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	National Identity Card (NIC) is extracted but the candidate is not in the threshold period	CVs that have NIC numbers but their records about submitting CV are before one year	CV needs to be successfully uploaded and relevant entries go to database	CVs are successfully uploaded and relevant entries go to database	Pass	
2	National Identity Card (NIC) is extracted and the candidate is	CVs that have NIC numbers and have records about	Alert the user that those CVs were rejected and no entry being sent to	Shows those CVs were rejected and database is not affected	Pass	There should be a colour change(Red) for

	in the threshold period	submitting CV within one year	database			those rejected CVs
3	National Identity Card (NIC) is not extracted and the candidate is in the threshold period	CVs that do not have NIC numbers but have records about submitting CV within one year	Check for three other details and when they match, make them flagged for the user to reject	CVs get uploaded	Fail	
Post Conditions: CVs that do not have threshold period issue are entered to the system and database is updated accordingly						

8. View recruitment session details

Test Case ID: TC008			Test Designed date: 25.08.2015				
Test Priority (Low/Medium/High): High			Test Execution date: 28.08.2015				
Module Name: Recruitment Session Management							
Test Title: Display recruitment session details currently in the system							
Description: When recruitment sessions page is loaded a table of recruitment sessions available in the system should be displayed							
Pre Conditions: Having created recruitment sessions to the system							
Dependencies: Database connection should be established before hand							
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes	
1	Click on	-	Should be	Redirects to	Pass	-	

	recruitment sessions button in home page		redirected to the recruitment session page	recruitment sessions page		
2			All the recruitment session details available in the system should be displayed in the page	Available recruitment session details in the database are loaded to a table		
Post Conditions: Recruitment session details which are in database has been loaded to the recruitment sessions page						

9. Recruitment sessions can be sorted according to displayed fields

Test Case ID: TC009	Test Designed date: 28.08.2015
Test Priority (Low/Medium/High): Medium	Test Execution date: 29.08.2015
Module Name: Recruitment Session Management	
Test Title: Sorting recruitment session table	
Description: Recruitment sessions should be sorted according to clicked field ascendingly or descendingly	
Pre Conditions: Recruitment sessions being created and loaded to recruitment sessions table	
Dependencies: Sortable library is being loaded	

Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Click on any field header	-	Table should be sorted according to clicked field	Table sorts ascendingly according to clicked field	Pass	No permanent changes happens to table records
2	Click on same table header again	-	Table should be sorted in reverse order	Table sorts descendingly according to clicked field	Pass	-
Post Conditions: Displaying table records are sorted accordingly.						

10. Expected details are extracted from the uploaded CVs

Test Case ID: TC010	Test Designed date: 20.08.2015
Test Priority (Low/Medium/High): High	Test Execution date: 22.08.2015
Module Name: CV Management	
Test Title: Expected details are extracted from the uploaded CVs	
Description: During the uploading process of CVs,candidates' National Identity Card (NIC) number,email address,Telephone number and Date of Birth are extracted.	
Pre Conditions: Administrative officer has selected the option of upload files	
Dependencies: Extracting fields needed to be provided in the CV in widely accepted formats	

Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Extract the details of four pre defined fields (i.e. National Identity Card (NIC) number,email address,Tele phone number and Date of Birth)	CVs that have four pre defined fields	Those details are extracted and filtered against constraints	Those details are extracted and filtered against constraints	Pass	
2	NIC number is unsuccessful to extract	A CV that does not have NIC number	From the other extracted details,check whether there has been another record about that candidate within one year period,if so make them flagged	CVs get uploaded	Fail	
3	Fields (other than NIC number) are unsuccessful to extract	CVs that do not provide some fields such as Date of Birth and CVs that does not have the preferred format such as an email	After the extraction process,the fields in front of the particular candidate should be shown to the user,having CV shown next so that he can fill empty fields manually	After the extraction process,the fields in front of the particular candidate should be shown to the user,having CV shown next so that he can fill empty fields	Pass	

		address that ends with .uk		manually		
4	Multiple details provided for a particular fields	CVs that many email addresses, NIC numbers, date of births	Extract the first record only and when editing details user can edit them wherever necessary	For the date of birth, system extract the oldest one and for others	Pass	Since NIC number is a critical field, once more than one NIC numbers are detected need to alert user about it for his special attention

Post Conditions: Extracted details are sent to database and shown in front of each candidate

11. View candidate list related to a recruitment session

Test Case ID: TC011	Test Designed date: 25.08.2015
Test Priority (Low/Medium/High): High	Test Execution date: 28.08.2015
Module Name: Candidate Management	
Test Title: View candidate list of a selected recruitment session	
Description: When a recruitment session table record is clicked related candidate list should be displayed	
Pre Conditions: Recruitment session table is being loaded in sessions page	
Dependencies: jquery ui library [1](jquery.org, 2015) is being loaded	

Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Click on any recruitment session record loaded to table	Recruitment session ID="RS020"	Candidate list which is related to given recruitment session ID should be displayed	Candidates which has CVIDs related to RSID="RS020" are displayed	Pass	-
Post Conditions: Candidate list is formulated and loaded to interface						

12. Candidate list can be sorted according to displayed fields

Test Case ID: TC012			Test Designed date: 28.08.2015			
Test Priority (Low/Medium/High): Med			Test Execution date: 30.08.2015			
Module Name: Candidate Management						
Test Title: Sort candidate list						
Description: The table containing candidate list should sort it according table headings when clicked on them ascendingly or descendingly						
Pre Conditions: One or more candidate records exist in the candidate table						
Dependencies: Sortable libraries are being fully loaded						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Click on any field header	-	Table should be sorted according to clicked field	Table sorts ascendingly according to clicked field	Pass	No permanent changes happens to table

						records
2	Click on same table header again	-	Table should be sorted in reverse order	Table sorts descendingl y according to clicked field	Pass	-
Post Conditions: Table order being changed ascendingly or descendingly. But no permanent change in records happen.						

13. Able to edit candidate details of a selected candidate

Test Case ID: TC013			Test Designed date: 23.08.2015			
Test Priority (Low/Medium/High): High			Test Execution date: 25.08.2015			
Module Name: Candidate Management						
Test Title: Edit candidate details						
Description: When clicked on candidate table row an interface appears which has a form to edit candidate details						
Pre Conditions: CVs are uploaded to the selected recruitment session hence showing a list of candidates						
Dependencies: Recruitment session of concern has been created in the system						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Click on selected candidate table row	-	Redirected to edit details interface	Redirected to edit candidate details interface for selected candidate	Pass	-
2	Enter first name and	First name =				-

	university	Nihal University =UCSC				
3	Click submit	-	Entered details are sent to database and changes are displayed	Edited candidate details are added to database and redirected to display changed details in the candidate list	Pass	-
Post Conditions: Some of the candidate details are changed in the database						

14. Change status of a candidate

Test Case ID: TC014			Test Designed date: 27.08.2015			
Test Priority (Low/Medium/High): High			Test Execution date: 30.08.2015			
Module Name: Candidate Management						
Test Title: Change status of a candidate						
Description: Status given for a candidate is changed by a right click menu on the table row						
Pre Conditions: CVs are inputted to the selected recruitment session						
Dependencies: Recruitment session of concern has been created in the system. jquery ui library [1](jquery.org, 2015) is being loaded						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes
1	Navigate to the recruitment	Available candidate status IDs	Status of the selected candidates	Status of the selected candidates	Pass	

	session	in the database	should change	change according to selected status		
2	Drag and select necessary candidates					
3	Right click on the selection					
4	On the appearing menu click on necessary status					
Post Conditions: Status change of the selected candidate is displayed with necessary colour change and status ID is changed in the database of the selected candidates						

15. Change status of a recruitment session

Test Case ID: TC015			Test Designed date: 27.08.2015			
Test Priority (Low/Medium/High): High			Test Execution date: 30.08.2015			
Module Name: Recruitment Session Management						
Test Title: Change status of recruitment session						
Description: Recruitment session status is changed when it's selected from the given status drop down list						
Pre Conditions: Recruitment sessions are being created in the system						
Dependencies: jquery ui library [1](jquery.org, 2015) is being loaded						
Step	Test steps	Test data	Expected result	Actual result	Status (Pass/Fail)	Notes

1	Select any status from drop down list of the recruitment session in concern	Recruitm ent session status IDs in database	Selected status is displayed as status of the selected session	Status of the recruitment session changes according to selection	Pass	-
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Post Conditions: Status of concerned recruitment session changes according to selected status which is done by changing status ID of the recruitment session table in database

Appendix A: References

1. jquery.org, j. (2015). *jQuery UI API Documentation*. [online] Api.jqueryui.com. Available at: <https://api.jqueryui.com/> [Accessed 18 Aug. 2015].
2. Softwaretestinghelp.com, (2015). *Sample Test Case Template with Examples [Download]*. [online] Available at: <http://www.softwaretestinghelp.com/test-case-template-examples/> [Accessed 22 Aug. 2015].
3. IEEE 829-1998 Test Case Specification Template. (2001).
4. Assassa, D. (2014). Software Engineering - Test Case Template and Examples. pp.2-5.

Appendix B: Abbreviations and Definitions

The following table provides definitions for terms relevant to this document.

Term	Definition
Recruitment Session	A session which is created to input CVs of a certain job position having vacancies at a certain time. Main goal of creating this is to group CVs
Candidate	A person who have submitted a CV to a certain job position in the company
NIC	National Identity Card
Threshold Period	A defined period which a rejected candidate has to wait to reapply for a job position in the company. If a candidate applies in that time period the CV of that person will be rejected automatically