
The Powdered Waffles

cSpace
Software Test Document (STD)

Version 3.0

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Revision History

Date	Version	Description	Author
03/08/23	1.0	Preliminary Draft	Kathryn Compton, Elizabeth Rubio
03/10/23	1.1	Revision of Preliminary Draft - Basic revision for grammar and errors	Ila Wallace
04/14/23	2.0	Secondary Draft -Updated text throughout document to be justified -Updated References list	Kathryn Compton, Elizabeth Rubio
04/25/23	3.0	Final Draft - Updated test cases - Final Revisions	Ila Wallace

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1. Introduction

This document illustrates the software testing for the development and deployment of the dating app cSpace by The Powdered Waffles.

1.1 Purpose of the Document

The purpose of this document is to document the software test related activities and test cases for the project cSpace.

1.2 Scope of the Document

This document will depict the various software testing for the cSpace application. This includes test planning with responsibilities, and a specified test schedule. Test preparation will be detailed along with a test environment that will be described in detail for clarity. Lastly, this document will contain several test cases.

1.3 References

Below is a list of other documents that are related to the project:

- Project Proposal Document – Version 1.0 – Last Updated 01/03/2023
- Project Vision Document – Version 3.0 – Last Updated 04/25/2023
- Project Plan Document – Version 3.0 – Last Updated 04/25/2023
- Software Requirements Specifications – Version 3.0 – Last Updated 04/25/2023
- Software Design Document – Version 3.0 – Last Updated 04/25/2023
- Software Source Code – Version 3.0 – Last Updated 04/25/2023

1.4 Definitions, Acronyms, and Abbreviations

See Appendix A.

2. Product Scope

The product scope includes creating a sleek, easy-to-use application. The system will also have safety features and a secure account system implemented to ensure users' comfort and safety. A user chat system will be utilized as well so users may experience the application to its fullest extent. A filtered search system that enables users to select certain characteristics to include and/or exclude from their matches will be included as well.

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3. Test Planning

This section outlines the plan for testing regarding the cSpace as a dating application. This includes the responsibilities assigned to team members as well as the testing schedule.

3.1 Responsibilities

Role	Name	Responsibilities
Test Engineer	Elizabeth Rubio	Prepares the test cases under the direction of the test manager.
Developer	Orlando Gomez	Supports the test engineers during the tests. Fixes the defects/bugs if identified during tests. Stay in the loop for the testing process.
Test Manager	Jacob Jones	Plans and coordinates all testing activities. Manages the testing team and test engineers. Take corrective action related to the testing activities if needed. Informs the project manager and technical manager regarding the test progress.
Customer/User Representative	Kathryn Compton	Approves software test document, reviews test cases, and support the testing process if possible.
Requirements Manager	Alex Thompson	Approves software test document, reviews test cases, and support the testing process if possible.
Technical Manager	Ila Wallace	Ensures that all teams (project team members) work in tandem to achieve a successful testing process.

3.2 Test Schedule

Test Case	Scheduled Date	Actual Date / Duration
TC-1	03/10/2023	04/25/2023 – 5 minutes
TC-2	03/10/2023	04/25/2023 – 7 minutes
TC-3	03/10/2023	04/25/2023 – 10 minutes
TC-4	03/10/2023	04/25/2023 – 3 minutes

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4. Test Preparation

This section outlines the types of test preparation required regarding cSpace as a dating application. This includes the testing environment as well as the types of test cases the application must pass to transition the project into the deployment phase.

4.1 Test Environment

The test will be run on an Android phone and an iPhone. No special equipment is needed. No additional testing software will be used.

5. Test Cases

This section outlines the types of test cases that the cSpace application will be subjected to during the testing phases of development. This includes a brief description of what function of the dating application each test case verifies.

5.1 Test Cases

Test Case ID	Test Case Name	Description
TC-1	User Login Test	This test case verifies various successful and unsuccessful login scenarios.
TC-2	Profile Creation Test	This test case verifies scenarios related to creating and saving a user profile.
TC-3	Instant Message Test	This test case verifies scenarios related to sending messages between users.
TC-4	Notifications Prompt Test	This test case verifies system notification prompt scenarios.

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6. Appendix A – Definitions, Acronyms, and Abbreviations

Term	Abbreviation / Acronym	Definition
Dating Applications	Dating App(s)	<p>A software application used for mobile devices such as phones, tablets, and other handheld personal devices.</p> <p>The primary focus of the software is providing the user a way to interact with other individuals interested in dating and/or relationships.</p>
College Students	Students	Individuals who are currently enrolled in a 2-year or 4-year institution that is designated as a college or university.
Targeted Advertisements	Targeted Ads	Advertisements supplied by outside companies who wish to utilize the digital real estate of cSpace to gain exposure to potential customers of specific brands, goods, and services.

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7. Appendix B – Test Case to Requirements Traceability

Test Case ID	Requirement ID
TC-1	Req-Func-Sw-1 Req-Func-Hw-3 Req-Qual-Sec-1
TC-2	Req-Func-Sw-2 Req-Func-Hw-3 Req-Qual-UI-1 Req-Qual-Perf-4
TC-3	Req-Func-Sw-3 Req-Func-Sw-3 Req-Func-Hw-3 Req-Qual-Sec-2 Req-Qual-Perf-4
TC-4	Req-Func-Sw-4 Req-Func-Hw-1 Req-Func-Hw-2 Req-Func-Hw-3

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8. Appendix C – Test Case 1 – User Login Test

Test Case ID	TC-1
Test Case Name	User Login Test
Brief Description	This test case verifies various successful and unsuccessful login scenarios.
Planned Test Duration	5 minutes
Current Version	3.0
Date of Last Version	04/25/23
Created By	Ila Wallace
Last Update By	Ila Wallace
Approved By	Ila Wallace
The Version of Software Under Test	3.0
Test Engineer to Conduct the Test	Ila Wallace
List of Test Support Software	iPhone simulator Android phone simulator
List of Test Support Hardware	iPhone Android phone

Test Case 1 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Open the application.	The application starts running.	Pass
2	Press 'Log in' button.	The application navigates to the Login Page.	Pass
3	Press the 'Email' text field.	The application displays the cursor in the 'Email' text field.	Pass
4	Type 'tester@gmail.com'.	The application displays the text 'tester@gmail.com' in the text field.	Pass
5	Press the 'Password' text field.	The application displays the cursor in the 'Password' text field.	Pass
6	Type 'test123'.	The application saves the password into the text field.	Pass
7	Press the 'Log in' button.	The application successfully logs the user in.	Pass
8	Close the application.	The application stops running.	Pass

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9. Appendix D – Test Case 2 – Profile Creation Test

Test Case ID	TC-2
Test Case Name	Profile Creation Test
Brief Description	This test case verifies scenarios related to creating and saving a user profile.
Planned Test Duration	7 minutes
Current Version	3.0
Date of Last Version	04/25/23
Created By	Ila Wallace
Last Update By	Ila Wallace
Approved By	Ila Wallace
The Version of Software Under Test	3.0
Test Engineer to Conduct the Test	Ila Wallace
List of Test Support Software	iPhone simulator Android phone simulator
List of Test Support Hardware	iPhone Android phone

Test Case 2 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Open the application.	The application starts running.	Pass
2	Press 'Register' button.	The application navigates to the Register Page.	Pass
3	Press the 'Email' text field.	The application displays the cursor in the 'Email' text field.	Pass
4	Type 'tester2@gmail.com'.	The application displays the text 'tester2@gmail.com' in the text field.	Pass
5	Press the 'Full Name' text field.	The application displays the cursor in the 'Full Name' text field.	Pass
6	Type 'tester2'.	The application displays the cursor in the 'tester2 text field.	Pass
7	Press the 'Password' text field.	The application displays the cursor in the 'Password' text	Pass

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		field.	
8	Type 'tester2123'.	The application saves the password into the text field.	Pass
9	Press the 'Register' button.	The application successfully registers the user.	Pass
10	Close the application.	The application stops running.	Pass

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10. Appendix E – Test Case 3 – Instant Message Test

Test Case ID	TC-3
Test Case Name	Instant Message Test
Brief Description	This test case verifies scenarios related to sending messages between users.
Planned Test Duration	10 minutes
Current Version	3.0
Date of Last Version	04/25/23
Created By	Ila Wallace
Last Update By	Ila Wallace
Approved By	Ila Wallace
The Version of Software Under Test	3.0
Test Engineer to Conduct the Test	Ila Wallace
List of Test Support Software	iPhone simulator Android phone simulator
List of Test Support Hardware	iPhone Android phone

Test Case 3 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	Open the application.	The application starts running.	Pass
2	Press 'Log in' button.	The application navigates to the Login Page.	Pass
3	Press the 'Email' text field.	The application displays the cursor in the 'Email' text field.	Pass
4	Type 'tester3@gmail.com'.	The application displays the text 'tester3@gmail.com' in the text field.	Pass
5	Press the 'Password' text field.	The application displays the cursor in the 'Password' text field.	Pass
6	Type 'tester3123'.	The application saves the password into the text field.	Pass
7	Press the 'Log in' button.	The application successfully logs the user in.	Pass
8	Press the 'Messages' button.	The application navigates to	Pass

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		the Messages Page.	
9	Press the first user in the list of users.	The application navigates to the Chat Page for that first user.	Fail
10	Press the blank text field at the bottom of the screen.	The application displays the cursor in the blank text field.	Fail
11	Type 'hello user'.	The application displays the text 'hello user' in the text field.	Fail
12	Press 'Send' button.	The application clears the text field and sends the message to be displayed in the chat area as a bubble of text.	Fail
13	Close the application.	The application stops running.	Pass

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11. Appendix F – Test Case 4 – Notifications Prompt Test

Test Case ID	TC-4
Test Case Name	Notifications Prompt Test
Brief Description	This test case verifies system notification prompt scenarios.
Planned Test Duration	3 minutes
Current Version	3.0
Date of Last Version	04/25/23
Created By	Ila Wallace
Last Update By	Ila Wallace
Approved By	Ila Wallace
The Version of Software Under Test	3.0
Test Engineer to Conduct the Test	Ila Wallace
List of Test Support Software	iPhone simulator Android phone simulator
List of Test Support Hardware	iPhone Android phone

Test Case 4 Scenario

Test Step Number	Input	Expected	Result (Pass/Fail)
1	User 1 opens the application.	The application starts running on User 1's device.	Pass
2	User 1 sends a message to User 2.	The application sends the message to User 2 in the Chat Page.	Fail
3	User 2 unlocks phone and waits for notification.	The application sent a notification alert to User 2.	Fail
4	User 1 closes application and locks phone screen.	The application stops running on User 1's device.	Pass
5	User 2 presses the notification prompt.	The application opens the Chat Page with User 1.	Fail
6	User 2 responds by sending a message to User 1.	The application sends the message to User 1 in the Chat Page.	Fail
7	User 1 unlocks phone and waits for notification.	The application sent a notification to User 1 in the Chat Page.	Fail
8	User 1 presses the	The application opens the	Fail

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	notification prompt.	Chat Page with User 2.	
9	User 1 sends final message to User 2.	The application sends the message to User 2.	Fail
10	Both users close the application.	The application stops running on both user devices.	Pass