TEST PLAN

Project Name :

Menjelajahi kutu/Bug pada Chatbot anda secara otomatis dengan produk JiSel (Jira dan Selenium)

**Automatically Explore bugs in your Chatbot with JiSel products
(Jira and Selenium)**

ChangeLog

Version	Change Date	By	Description
V.1	15/12/2020	Rifqi Naufal Julian	Feature Edit Profile
V.2	15/12/2020	Indah Mayang S	Feature Create Chatbox
V.3	15/12/2020	Shafy Hafidz	Feature Logout

CONTENT

1 Introduction

A Test Plan is made to plan a test approach to team members. This test plan includes objectives, scope, schedule, and approach. This document serves as a workflow for identifying what will be the result of the test and what is considered within and outside the scope.

1.1 Scope

1.1.1 In Scope

Name FR	Role	Description
Edit Profile	User Admin	- Users must have an account to access this page and are assumed to be logged in and then enter the Profile page - User Admin can update their personal dat. - All data must be filled in - User email data is automatically integrated with registered email - Provided a personal name, business name, email and telephone number that can be filled in and edited by the user - Each data can only be filled in according to the needs of each character
Create Chatbot	User Admin	- User must have an account to log in vutura homepage - User must be log in to create chatbot

		- User can create the chatbot by the template or create it by the form
		- When user create the chatbot by the form, user must fill the name chatbot field and description chatbot field
		- When user create the chatbot by template, user must click the checkbox template and be able to select the template
		- when user click "Buat Chatbot", the system will automatically create the chatbox and saved it on the board.
Log Out	User Admin	- User must have account to access homepage vutura
		- When user fill element such "Email" and "Password" must be correctly
		- Assume user fill element correctly then user click "Submit" button and then web will directly show homepage
		- When user click Menu Navbar button, system will show 3 options such "Profil", "Beri Masukan", and "keluar"
		- Then if user click "Keluar" button, web will automatically show display back to Dashboard

1.1.2 Out of Scope

Name FR	Role	Description
Register	New User Admin	New users who want to use the chatbot feature of this application must register a new account.
Login	New User Admin/ Existing User	For users who already have an account, either a new user or an old user, and want to use the chatbot feature of this application, they can access this page

1.2 Quality Objective

The purposes of testing the system on the Vutura.io application are as follows:

1. Oriented to 3 predefined features (edit profile, create chatbot and logout).
2. Ensure the Application Under Test conforms to functional and non-functional requirements
3. Identify and indicate the presence or absence of defects in the application before release.
4. Ensuring that the application meets the expected needs.

1.3 Roles and Responsibilities

No	Role	Responsibilities
1	Project Manager (Bu Sri Wido)	- Manage work activities, including setting priorities and work assignments - provide directions to the testing team - Provide and agree to all necessary terms and limitations
2	Test Manager (Faishal)	- Responsible for the process of making / updating the Test Plan - Coordinating the team in every testing process on the problems at hand
3	QA Analyst (Rifqi Naufal Julian, Indah Mayang S, Shafy Hafidz)	- Review and ensure that the requirements in the document can be tested - Create or provide developments for test plans, test scenarios, test cases and test monitoring - Validate that the testing process has run as expected - Coordinating with the Test Manager on problems during testing such as the testing process, finding defects, and handling defects

2 Test Methodology

2.1 Overview

Vutura is a website that focuses on making chatbots on chat applications, there are many types of bots that users can use to help their business, in the process customer or client can make many requests to the developer, and therefore a test that is not rigid or binding to other processes is needed

The test is carried out using the Agile method because this method allows changes to occur at any time to meet the requirements. The work process is carried out repeatedly in order to adapt quickly to overcome any problems and changes. This method is tested and developed in parallel so that it can provide feedback to fix or change features before the application is released.

2.2 Test Levels

Project	Day-						
	1	2	3	4	5	6	7
Create Test Plan Document	■	■					
Create Test Scenario, Test Case and Test Monitoring			■				
Test Execution				■	■		
Test Reporting						■	
Final Report							■

Milestones Schedule:

Task Name	Task Owner	Effort	Comments
Create Test Plan Document			
Define project document requirements	Project Manager	1 d	13/12/2020 It takes 1 day to determine the requirements based on the document
Create test plan document	Test Manager dan QA Analyst	1 d	14/12/2020 It takes 1 days to create a 3-feature test plan according to the agreed requirements
Final test plan	Test Manager dan QA Analyst	1 d	14/12/2020 It takes 1 day to compose the final test plan
Create Test Scenario, Test Case and Test Monitoring			
Create Test Scenario, Test Case and Test Monitoring	Test Manager dan QA Analyst	1 d	15/12/2020 It takes 1 day to create a test scenario, test case and test monitoring document
Test Execution			
Scripting test scenario and test case with Visual Studio Code	Test Manager dan QA Analyst	1 d	16/12/2020 It takes 1 day to create a script of test scenario and test case
Execution a test script and find bugs if any	Test Manager dan QA Analyst	1 d	17/12/2020 It takes 1 day to running a script of test scenario and test case
Test Reporting			

Bugs Reproting	Test Manager dan QA Analyst	1 d	18/12/2020 It takes 1 day create bugs reporting
Final Report			
Create Final Report	Test Manager dan QA Analyst	1 d	19/12/2020 It takes 1 day create final report and hand over assignments to the project manager

2.3 Suspension Criteria and Resumption Requirements

Suspension criteria
- There is a bug/issue in the previous stage which will distract in the later stages.
- There is requirement from the client that hinders the process not been resolved
- Unavailability of external dependent systems during execution

Resumption requirements
- When a fix is successfully and the testing is notified to continue testing
- The contract from the team is renegotiated with the client to extend testing based on the existing requirement
- There's no issue on cost budget
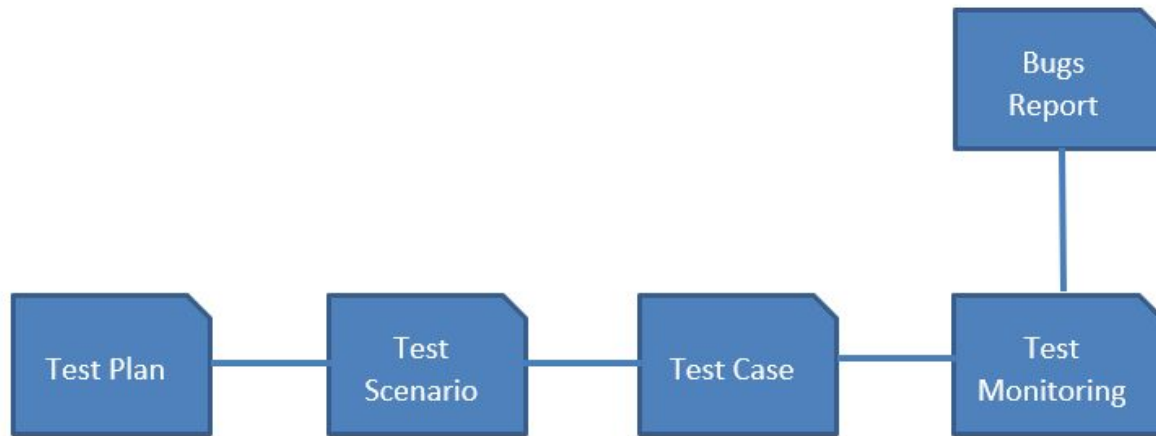- The external dependent systems become available again.

2.4 Test Completeness

The test is complete if it meets the following requirements:
1. No defects were found in the application
2. Bugs reports have been handled all
3. The application is running properly as needed
4. All the features tested are able to function as expected
5. The test results have met all the requirements previously determined

3 Test Deliverables

Testing will provide specific results throughout the project. The work is divided into three basic categories: Documents, Test Cases / Bug Writing, and Reports. The following is a diagram showing the process of testing:

4 Resource & Environment Needs

4.1 Testing Tools

The tools to support the testing in this test plan are as follows:

Process	Tools
Test plan document	Microsoft Word
Test Scenario list	Microsoft Excel
Test Case creation	Microsoft Excel
Test Monitoring	Microsoft Excel

Bugs Report	Microsoft Excel
Final test reporting	PDF
Test Execution	Selenium with Visual Studio Code
Monitoring Work Flow	Jira Software

4.2 Test Environment

Specifications and details of everything that is needed and used during the testing process, following the computer hardware requirements:
·   OS – Windows/ Linux
·   Browser – Firefox/ Chrome
·   Java version 8 or above
·   Node JS 14.15.2 (recommended)

Software specifications required in the testing process in this test:
·   Windows 10/ Ubuntu
·   Microsoft office 2013 or above
·   Visual Studio Code
·   Jira
·   Cucumber (Gherkin)