

1. Introduction

The purpose of this test plan is to describe the process of testing an application Unicon 1.0 (unit converter). The document gives the opportunity to get acquainted with the plans of the testing project. The purpose of this test is to check on the correct operation of the project, realizing easy user interface of the application.

2. Test Items.

Description:

The application allows you to convert various types of values and their units.

The components of the application:

- 1) The line type selection values (e.g., temperature).
- 2) Field Units (Kelvin, Celsius, Fahrenheit).
- 3) button to transfer (convert).
- 4) button to clear the current results (clear).

Quality attributes:

- Reliability.
- Easy to understand.
- Practicality.

3. Risk Issues

- The risk of failure can only be due to failure of the computer's performance. Since the application does not need to be updated and receive information from any site.

4. Features to be Tested

Functional requirements:

- 1) This application will offer different categories of measured values for the conversion.
- 2) Select a category will be the choice of measurement values (of) and type the numeric value.
- 3) The user should be able to choose any of the categories, and choose a subcategory, enter the numerical value of the function to clear the screen (current output).

Non-functional requirements:

The application converts the number of one type to the other variables:

- 1) Reliability:
This application should not cause any errors in the conversion, as well as the wrong type.
- 2) Friendly interface and easy:

Easy-to-use interface. For both experienced and inexperienced users.

5. Test Approach

Using unit testing and functional. Research convenience interface.

6. Pass / Fail Criteria

Test plan

ID	Description	Actions	Expected Result
1	Verifying select different types of variables	1) Run the application. 2) Click on the arrow on the side to select the type of values. 3) In the list, select and click on any of it.	The field needs to change and to provide units for the species.
2	Verify that you can input digital information.	1) Run the application. 2) Enter in the digital value.	The value is entered (digital), in the case of entering the letters - a mistake.
3	Check transfer from one value to another (the conversion process)	1) Select the size and type of the selection. 2) Select the unit of measurement. 3) Enter a numeric value. 4) Press the button to convert.	The value is translated into all the units for this type of variables.
4	Verifying cleaning results and subsequent input.	1) Convert the value and the result in each field. 2) Press the button to clear.	Fields with terminals (digital values) must be cleansed.
5	Verifying input. Check nonfunctional requirements (reliability)	1) Run the application. 2) Select any type of value. 3) Select one for measurement. Enter in the field is not a number, a letter.	It should display a message about the impossibility of entering letters. Prevent entering letters.
6	Check application interface with other devices.	1) Run the application.	The application should be displayed correctly, and perform all the functions.
7	Check nonfunctional requirements (Friendly interface and easy)	1) Run the application. 2) Check all the components. 3) To carry out pressing on different parts of the screen 4) Check the interface looks like from different angles.	The application is convenient and easy to use.

Conclusion

The results of testing should be complete confirmation of all the functions presented in the table above.