Homework Lesson 4

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Level 1

1. Examples of requirements

Singing cactus

Requirement 1

It should turn on by clicking the button 1 on the bottom.

Requirement 2

It should start playing music by clicking on the right button on the pot.

Requirement 3

It should change songs by continuing clicking on the right button on the pot.

These requirements are atomic because they are not and can’t be separated into several more detailed requirements, they all are clear and specific. They are consistent because they don't contradict other requirements and processes don't produce different outputs or inputs. They are testable because you can click on the buttons and verify if they work ( turn on, play music, change songs). They are traceable because there is a logical connection between them. First you click the button 1 on the bottom to turn on, then you click the right button on the pot and music starts, then you keep clicking on the right button on the pot and songs change.

Level 2

1. Requirements testing technique guarantees the highest possible quality of the final result

In my opinion it would be completeness. The requirement should have all the necessary information to receive the right output. If the requirement wouldnt be finished or not clear the functionality might turn out completely wrong.

Level 3

Mobile application for sharing cats photos

Functional requirements:

Requirement 1

The system must allow the users to login their profile by entering their email and password

Requirement 2

If email or password are invalid the users should get three attempts to login after the app must ask for verification by sending a code to their email.

Requirement 3

The system should allow to upload cats photos to the users profile

Requirement 4

The system must allow the users to see see other users photos

Requirement 5

The system must allow the users to follow other users profiles

Non functional Requirements

Requirement 1:

Each page must load during 2 seconds

Requirement 2

The homescreen theme must be purple

Requirement 3

Users must be able to switch languages. English, German, Spanish, Italian, Ukrainian

Requirement 4

The users must see the icon of their profile on the homescreen

Requirement 5

The users must see the most popular cats photos before others on their homepage.