**Software Test Documentation (STD)**

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1 INTRODUCTION

The SmartBesik is aimed project to help parents in watching to their children in cradle. There mobile application to controll the hardware and web application to representing all statistics received from besik and for asking questions from administration.

2 TEST PLAN

2.1 Features to be Tested

2.1.1Web site

User:

* Login
* Question submition
* Statistics table
* Graph

Admin:

* Create user
* Delete User
* Answer submition

2.1.2 Mobile application

* Changing cradle frequency
* Turn on/off music
* Receiving data from Smartbesik

2.2 Features not to be Tested

* Server loading
* Hardware

2.3 Testing Tools and Environment

2.3.1 Manual Testing

Manual Testing will be done to ensure the correctness of various parts of the code

using test cases generated by the tester.

2.3.2 Pass/fail criteria

Each feature to be tested will be evaluated against its requirement as stated in the Vision

Document. The pass or fail of a test depends on whether the system meets with all the

particular post conditions. Test cases executed on the SmartBesik web site and on the mobile application will pass if they meet the specific requirements as mentioned in the Vision Document.

3 TEST CASES

Web application

3.1User login

3.1.1.1 User enters incorrect user name

3.1.1.2 Display error message ‘Incorrect login or password’

3.1.2.1 User enters incorrect password

3.1.2.2 Display error message ‘Incorrect login or password’

3.1.3.1 User forgets to enter login field

3.1.3.2 Display message the value in field is required

3.1.4.1 User forgets to enter password field

3.1.4.2 Display message the value in field is required

3.1.5.1 User enters correct username and password

3.1.5.2 User logs in successfully

3.2 Question submition

3.2.1.1 User submits empty question

3.2.1.2 Display error message ‘Question field is empty’

3.2.2.1 User enters text and submits it

3.2.2.2 System inserts into database new question

3.3Statistics table

3.3.1 User presses link statistics page

3.3.2 Page in table all data received from SmartBesik

3.4 Graph

3.4.1 User presses link to graphs page

3.4.2 System displays 2 graph by all data from table

3.5 Create user

3.5.1.1 Admin enters already existing user name

3.5.1.2 Display error message that such user name already exist

3.5.2.1 Admin leaves user name field empty

3.5.2.2 Display error message that user name can not be empty

3.5.3.1 Admin leaves password field empty

3.5.3.2 Display error message that password can not be empty

3.6 Delete user

3.6.1 Admin presses button delete on some user

3.6.2 That user must be deleted from database user table

3.7 Answer submition

3.7.1.1 Admin submits empty question

3.7.1.2 Display error message ‘Answer field is empty’

3.7.2.1 Admin enters text and submits it

3.7.2.2 System inserts into database new answer with id answered question

3.8 Changing cradle frequency

3.8.1.1 User presses button cradle on

3.8.1.2 System sends by bluetooth signal to begin cradle

3.8.1.3 Besik(hardware) catchs signal and begins to cradle

3.8.2.1 User presses button lower

3.8.2.2 System sends by bluetooth signal to cradle lower

3.8.2.3 Besik catchs signal, cradles lower

3.8.3.1 User presses button faser

3.8.3.2 System sends by bluetooth signal to cradle faster

3.8.3.3 Besik catchs signal and cradles faster

3.9 Turn on/off music

3.9.1.1 User presses button music on or off

3.9.1.2 System sends by bluetooth bit signal to play or not to play music

3.9.1.3 Besik(hardware) catchs signal and plays music or stops music

3.10 Receiving data from SmartBesik

3.10.1 Each 30 minutes besik sends bit signal which contains state data of child by bluetooth connection to system

3.10.2 System receives signal and inserts data to its local database

4 ADDITIONAL MATERIAL (including appendix A)

APPENDIX A. TEST LOGS

A.n Log for test *n*

A.n.1 Test Results

A.n.2 Incident Report