**Update Payment Page**

*Design*

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# Change History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Change Summary** | **Author** | **Reviewer** |
| 1.0 | 27-05-2014 | First Release | Muhammad Raees | Rasheed Amir |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# Associated Documents

* Provide link to functional analysis document

<https://docs.google.com/document/d/1yFAn9jsasN_jIVemmF6H6JWc9v18U7vYzOj5OiVS3oU/edit#heading=h.a2k9u5lbym6c>

# **1. Current Functionality**

* Current functionality does not have the fields to get test subject telephone number and email address.

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# 

# 2. Desired Functionality

## 2.1 Description

There is need to get the user information, email and telephone number which is needed for other functional requirements to fulfill. Email is required to for test subject report results forwarding and telephone number will be used for authentication purposes.

## 2.2 User Stories

### User Story 1 - Test Completion

1. User completed the test and directed to payment page.
2. Email and telephone number fields are required for authentication purposes.
3. There should be the email and telephone number fields on payment page which allows user to fill in details.

### User Story 2 - Payment Page

1. Payment page redirects to another page, ie report page.
2. The email and telephone number must be saved for future use.

## 2.3 Screenshots

### 2.3.1 New Input Fields

<http://screencloud.net/v/kPOn>

# 

# 

# 3. Technical Overview

There will be a small change in the user interface, as there are two fields needed to be added to payment page.

We have to store these field to verify the test subject for current and and next time he/she takes test.

These fields needs to be stored to database table for test subject.

There will be a domain change to fit in these two changes email and telephone Number will be added to domain.

# 

# 

# 4. Client Tier Modifications

### 

## 4.1 Controller

CustomerController will be affected by this change.

CustomerService will be affected by this change.

## 4.2 GSP Pages

views/customer/payment.gsp will be affected by this change.

# 

# 

# 5. Domain Tier Modifications

This section contains server tier modifications.

## 5.1 DTO Objects

Test subject : testSubject

1. email
2. telephone number

# 6. Database Tier Modifications

Following changes will be done at database level. These changes will be done in form of changelog in latest changelog.groovy file.

This section contains database tier modifications...

## 6.1 test\_subject

Table named **test\_subject** will be modified to add following columns

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| emailAddress | varChar | Email Address of test subject |
| telephone | varChar | Telephone number of test subject |

# 

# 

# 7. Changes mostly to be done in these files

## 7.1 Packages

* qbx/qbx-core/grails-app/domain/se/qbtech/qbx/domain/model/qtest
* qbx/qbx-web/grails-app/controllers/se/qbtech/qbx/domain/model/qtest

## 7.2 Folders

* grails-app/qbx/qbx-web/grails-app/views/customer

## 7.3 Files

* customer.gsp
* TestSubject.groovy
* CustomerController.groovy
* changelog.groovy

# 

# 

# 8. Testing

## 8.1 Modifications in Existing Functional Tests

newQualityParameterWithTestSubject

## 8.2 Modification in Existing Integration Tests

createTestSubjectWithVoucher

setUp

## 8.3 Existing Test Data

email and telephone number will be required to create new test subject.

# 

# 

# 9. Repositories and Deployment

A new branch will be created in the current repository for this update. After successful completion. The code will be reviewed by reviewer. And then branch will be merged with development to deploy changes to test server.

# 

# 10. Estimates

Following are the estimated hours that will be required to accomplish this task:

|  |  |
| --- | --- |
| **Task** | **Hours** |
| Design understanding | 0.5 |
| Coding | 0.5 |
| Desktop testing | .25 |
| Code Reviews and Fixes | 0.25 |
| Branching and Merging | 0.1 |
| Testing UI changes will IE8/9, FF and Chrome and fixing any issues | 0.5 |
| **Time for one developer** | **2** |