

**Turk System
Software Requirements Specification
For Web Application
Version 0.1**

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| Turk System | Version: 0.1 |
| Software Requirements Specification | Date: 16/Nov/17 |
| CSC322-EF2-0001 | |

Revision History

| Date | Version | Description | Author |
|-----------|---------|---|--------|
| 12/OCT/17 | 0.1 | First overall requirement specification for Turk System | <name> |
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|-------------------------------------|-----------------|
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Table of Contents

| | |
|---|----------|
| 1. Introduction | 4 |
| 2. Use Cases | 4 |
| 2.1 Create an Account | 4 |
| 2.2 Sign-in | 5 |
| 2.3 Search Public Information | 5 |
| 2.3 Apply To Be a Client Or a Developer | 6 |
| 2.4 Add Profile Details | 6 |
| 2.5 View Application Status | 6 |
| 2.6 Discuss/Process Dev. Payment | 6 |
| 2.6 Hire a Biding Developer | 6 |
| 2.7 Add Money to the Total Deposit | 6 |
| 2.8 Post System Demand | 6 |
| 2.9 Quit From the System | 6 |
| 2.10 Client Rate Developer | 6 |
| 2.11 Send Complain Message to the Super-User | 6 |
| 2.12 View Account Closing Status Information | 6 |
| 2.13 Bid on Any Demand With Promised Timeline and Money | 6 |
| 2.14 Submit Delivered System | 6 |
| 2.15 Rate Client | 6 |
| 2.16 Send Protesting Message To The Super-User | 6 |
| 2.17 View Account Closing Status Information | 6 |
| 3. E-R Diagram | 6 |
| 4. Detailed Design | 7 |
| 4.1 Super-User Methods: | 7 |
| 4.2 Client Methods: | 7 |
| 4.3 Developer Methods: | 7 |
| 4.4 Visitor Methods: | 7 |
| 5. System Screens | 7 |
| 6. Minutes of Group Meetings | 7 |
| 7. Phase I Report Feedback | 7 |

| | |
|-------------------------------------|-----------------|
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Software Requirements Specification

1. Introduction

Introduction an overall picture of the system using collaboration class diagram

2. Use Cases

The types of users are Super User, Client, Developer and visitor.

A brief summery of the users are:

- **Super User:** Controls and handles various changes and exception.
- **Client:** Posts requirements and pays developer
- **Developer:** Works on client's requirement when chosen
- **Visitor:** Non-registered (or temporarily registered) user with limited access to view statistics and public information

2.1 Create an Account

The user-type Visitor will be able to create an account by entering their userid, name, deposit amount(\$), email, password. Users that want to apply to be a client can select the user-type Client. Users that want to apply to be a developer can select the user-type developer. Users that want to apply to be a super-user can select the user-type super-user and enter the super-user key. Client and developer usertypes can add their deposit amount. Once the user enters submit, the user's user id and email will be validated by the system to check the uniqueness of the user id and email. If the user id or email address of the user is not unique, the system will send an exception message to the user stating the error. The user can then re-enter a new user id or email. The user will have to enter the password and the password-confirmation while creating an account. If the password and password-confirmation does not match, the system will send an exception message to the user stating the error. The user can then re-enter these two fields.

Normal Scenarios:

1. User enters their userID, name, email, password, password confirmation and desired usertype.
2. User's email and userID validation for uniqueness
3. User's password and password confirmation for match
4. User is redirected to the welcome GUI interface

Exception Scenarios:

1.
 - a. User does not enter a required field
 - b. 1. Display error message to user to enter all the required fields/information
2.
 - a. User's email and userID already exists in the database
 - b. 1. Display error message stating email or userID is not unique
3.
 - b. User's password and password confirmation does not match
 - c. 1. Display error message to user stating the password does not match the confirmatio

| | |
|-------------------------------------|-----------------|
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2.2 Sign-in

The user can Sign-in by entering their email and password. If the user's email exists in the system, the system will verify the password. If not the system will ask the user to re-enter the email or create a new account. The user will be able to use the turk-system if the password is valid. If the password is not valid the user will be asked to re-enter their password.

Normal Scenarios:

1. User enters their email and password
2. User's email address is validated against the database for match
3. User's password is validated against the database for match
4. User is redirected to the welcome GUI interface

Exception Scenarios:

1.
 - a. User does not enter a required field
 - b. 1. Display error message to user to enter all the required fields/information
2.
 - a. User's email address does not match
 - b. 1. Display error message to user stating email is not found
3.
 - a. User's password does not match
 - b. 1. Display error message to user stating password is does not match

2.3 Search Public Information

Normal Scenarios:

1. User visits the welcome GUI interface
2. User types the search query in the search box and searches
3. User's search query is validated
4. System displays the matched result of the search query of links to Users or projects
5. User follows desired links to view project/user histories and credentials
6. User is redirected to the respective link's GUI interface

Exception Scenarios:

2.
 - a. User does not enter any information on the search query
 1. Display error message to user to enter all the required fields/information
3.
 - a. No result matched with the database
 1. Display error message stating no result found
 2. Prompt user to re-enter the search query

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|-------------------------------------|-----------------|
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2.4 Add Profile Details

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2.13 Bid on Any Demand With Promised Timeline and Money

2.14 Submit Delivered System

2.15 Rate Client

2.16 Send Protesting Message To The Super-User

2.17 View Account Closing Status Information

3. E-R Diagram

E-R diagram goes here

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4. Detailed Design

4.1 Super-User Methods:

4.2 Client Methods:

4.3 Developer Methods:

4.4 Visitor Methods:

5. System Screens

6. Minutes of Group Meetings

7. Phase I Report Feedback