**TEAMDUTY Web-application**

Software Requirement Specification

**By**

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# Chapter One | Introduction

## Objective

The Objective of this (SRS) Software requirement specification is establish requirement for TEAMDUTY Web application and show all of description and specification of TEAMDUTY Web application. And this Software requirement specification is guidelines for develop software correctly and match with requirement.

## Intended Audience and Reading Suggestions

### 1.2.1 Intended Audience

***Development team***

* Software Requirement specification help Development team understand the scope of the project and detail of software before implementation.
* Software Requirement specification help development team develop program efficiently.
* Software Requirement specification help development team can check software product that match with requirement of program or not.

***User***

* Software requirement specification will help the user to know detail and description of software product.
* User can check that the requirements in software requirement specification match with their requirement or not.
* Software requirement specificationhelp user and development understand in program corresponding

### 1.2.2 Reading Suggestions

This software requirement specification will classify requirements by user into 3 type including **service request customer**, **freelance supply** and **Administrator**. And for each progress we will separated to send in each progress as followed;

## 1.3 Project Scope

The scope of this software requirement speciation is strategies to establish the system that:

* The Software System is Web-application.
* The Software System provide only software side.
* The Software System divide to two main part that is software human resource, and software job auction project.
* Show requirement and detail of Software system

TEAMDUTY – web application is a website application. This will provide a system to manage about software freelance finding job software human resource.

# Chapter Two | Overall Description

## 2.1 Product Perspective

TEAMDUTY – Web application to contract both of Software freelancer and Software employer. The application provides feature help Software freelancer to find software job. And help Software employer to find Software human resource in software project.

## 2.2 Product Features

TEAMDUTY – Web application will provide feature is different feature in difference type of user. Both of Software Freelancer and Software Employer must be register before use Webapllication put their E-mail and password to the registration system. They will got verify e-mail on their e-mail that they put on previously.

TEAMDUTY – Web application has feature difference if type of user is difference but every feature in this system will be related in this system.

## 2.3 User Classes and Characteristics

There are 3 type of user, which interact to TEAMDUTY-web application system. That is **service request customer, freelance supply** and **Administrator**

URS1 - The users can login, log out after register themselves as both as *service request customer* and *freelance supply*.

URS2 -The ***service request customer*** can manage to add or edit Picture, Name, Company name, Address, Introduce yourself, and Telephone number in profile detail as *service request customer*.

URS3 -The ***freelance supply*** can manage to Add or Edit Picture Name, Skill, Address, Introduce yourself, and Telephone number in Profile detail as *freelance supply*.

URS4 -The ***service request customer*** can post job and Detail as Project Name, Budget, Information and skill required to system that show to both of user as *service request customer* and *freelance supply*.

URS5 -The ***service request customer*** can send request to freelancer form ‘freelancer requested bid message’ on the project that posted.

URS6 -The ***service request customer*** can cancel request form ‘freelancer requested bid message’ on the project that posted.

URS7 -The ***service request customer*** can view Picture Name, Skill, and Address, Introduce yourself, and Telephone number in Profile detail of freelancer.

## 2.4 Operation Environment

**Notebook or PC**

* **CPU:** Processor with clock speed 2.0GHz or higher.
* **Memory:** 2 GB DDR3 or higher.
* **HDD:** 25GB or higher.

**Browser**

* Google Chrome
* Firefox

## 2.5 Design and Implementation Constraints

Internet Connection is required of use TEAMDUTY-Web application

* 1 email can be only used to register for 1 account.

# Chapter Three | User Requirement

User is a person using a generic system. There are 3 type of user, which interact to Team Duty Web application system is **service request customer**, **freelance supply** and **Administrator**.

**Feature #1 - Account management system.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URS.NO** | **Description** | **Users related** | | |
| **service request customer** | **freelance supply** | **Administrator** |
| URS-01 | The users can login, log out after register themselves as both as *service request customer* and *freelance supply*. |  |  |  |
| URS-02 | The ***service request customer*** can manage to add or edit Picture, Name, Company name, Address, Introduce yourself, and Telephone number in profile detail as *service request customer*. |  |  |  |
| URS-03 | The ***freelance supply*** can manage to Add or Edit Picture Name, Skill, Address, Introduce yourself, and Telephone number in Profile detail as *freelance supply*. |  |  |  |

**Feature #2 - Service request customer management system.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URS.NO** | **Description** | **Users related** | | |
| **service request customer** | **freelance supply** | **Administrator** |
| URS-04 | The ***service request customer*** can post job and Detail as Project Name, Budget, Information and skill required to system that show to both of user as *service request customer* and *freelance supply*. |  |  |  |
| URS-05 | The ***service request customer*** can send request to freelancer form ‘freelancer requested bid message’ on the project that posted. |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URS.NO** | **Description** | **Users related** | | |
| **service request customer** | **freelance supply** | **Administrator** |
| URS-06 | The ***service request customer*** can cancel request form ‘freelancer requested bid message’ on the project that posted. |  |  |  |
| URS-07 | The ***service request customer*** can view Picture Name, Skill, and Address, Introduce yourself, and Telephone number in Profile detail of freelancer. |  |  |  |

* = User associated with that #URS

# Chapter Four | System Feature

## 4.1 Software Requirement Specification

**Feature #1 account management system.**

**URS1** - The users can login, log out after register themselves as both as *service request customer* and *freelance supply*.  
**URS2** - The ***service request customer*** can manage to add or edit Picture, Name, Company name, Address, Introduce yourself, and Telephone number in profile detail as *service request customer*.

**URS3** - The ***freelance supply*** can manage to Add or Edit Picture Name, Skill, Address, Introduce yourself, and Telephone number. Profile detail as *freelance supply*.

**URS1: The users can login, log out after register themselves as both as *service request customer* and *freelance supply*.**SRS 01- The system provides the UI which receive email, password and confirm password for registration.   
SRS 02 - The system shall check the email format. The email format should be

SRS 03 - The system can check the password format. The password format must be 6-20 characters.

SRS 04 - The system can check the matching of password and confirm password.

SRS 05 - The system shall send link to email to confirm registration.

SRS 06 - The system shall add new user information to database using email, password and confirm password.

SRS 07 - The system shall display error message “The email must not empty”

SRS 08 - The system shall display error message “The password must not empty”

SRS 09 - The system shall display error message “The confirm password must not empty”

SRS 10 - The system shall display error message “The email is not valid”

SRS 11 - The system shall display the error message “The password length must be 6-20”

SRS 12 - The system shall display the error message “The password and confirm password is not match”

SRS 13 - The system shall display the error message “The email is already existed”.

SRS 14 - The system shall connect to database

**URS2- The user can log in.**

SRS 15 - The system shall provide login interface which receive username (email) and password.

SRS 16 - The system shall validate username and password which matched with database.

SRS 17 - The system shall display the error message. “Error, the username and password is not correct”.

SRS 18 - The system can check the password format. The password format must be 6-20 characters.

SRS 07- The system shall display error message “The email must not empty”

SRS 08 - The system shall display error message “The password must not empty”

SRS 14 - The system shall connect to database

**URS3- The users can log out**

SRS 17- The system shall provide logout interface for logged out the system.

SRS 18- The system shall log username (email) and password out of the system.

**URS4-The user can manage their profile as employer (enterprise).**

SRS 19- The system shall provide user interface for receive name, address, company name, Address, Introduce yourself, and Telephone number

SRS 20- The system shall provide button to browse the logo/picture.

SRS 21- The system shall allow user edit the profile.

SRS 14- The system shall connect to database

SRS 22- The system shall record profile information to database.

SRS 23- The system shall display the error message “some information is blank”.  
  
  
**//URS5-The user can manage their profile as freelancer.**

SRS 19 - The system shall provide user interface for receive name, Address, Introduce yourself, and Telephone number.

SRS 20 - The system shall provide button to browse the logo/picture.

SRS 21 - The system shall allow user edit the profile.

SRS 22 - The system shall record information to database.

SRS 23 - The system shall display the error message “some information is blank”.

SRS 24 - The system shall provide list of skill to receive skill from freelancer.

SRS 25 - The system shall display the error message “you must choose at least one skill”.

SRS 14- The system shall connect to database

**Feature #2 enterprise management system.**

**URS4 -** The ***service request customer*** can post job and Detail as Project Name, Budget, Information and skill required to system that show to both of user as *service request customer* and *freelance supply*.

**URS5 -** The ***service request customer*** can send request to freelancer form ‘freelancer requested bid message’ on the project that posted.  
**URS6 -** The ***service request customer*** can cancel request form ‘freelancer requested bid message’ on the project that posted.

**URS7 -** The ***service request customer*** can view Picture Name, Skill, and Address, Introduce yourself, and Telephone number in Profile detail of freelancer.   
  
**//URS6- the users can post job to the system.**

SRS 26 - The system shall provide user interface for receive Project Name, Budget,

Project Detail and skill required to system

SRS 27 - The system shall record job’s information to database

SRS 14 - The system shall connect to database

SRS 28 - The system shall display information of job to user

SRS 29 - The system shall display the message “Success, you are already posted job.”

SRS 30 - The system shall display the error message “Some information must be require.”

**URS7- The users can request freelancer form bidding the project.**

SRS 31 - The system shall provide list of bidding of freelancer.

SRS 32 - The system shall provide button to request freelancer.

SRS 33 - The system shall send request to freelancer.

SRS 14 - The system shall connect to database.

SRS 34 - The system shall display the message “Success, You’ve already sent your request!”

**URS8- The users can cancel freelancer**

SRS 35 - The system shall provide list of requested freelancer.

SRS 36 - The system shall provide button to cancel requested freelancer.

SRS 37 - The system shall send message to freelancer.

SRS 14 - The system shall connect to database.

SRS 38 - The system shall display the message “Success, You’ve already cancel the request!”

**//URS9- The users can view profile of freelancer**

SRS 39 - The system shall display information of freelancer.

SRS 14 - The system shall connect to database.

## 4.2 Use case Description & Activity Diagram

## 4.3 Quality Requirement

# Chapter Five | Traceability Record