

I Need (IN)

Project Definition Document



Document Version: **3.0**

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VERSION HISTORY

Date	Document Version	Document Revision History	Document Author/Reviser
November 29, 2017	1.0	Initial draft	Ganesh Koripalli, Kirby Herrmann, William Shamrock
December 4, 2017	2.0	Reviewed with Dr. Che and revised	Ganesh Koripalli, Kirby Herrmann, William Shamrock
January 30, 2018	3.0	Reinvented initial idea and updated info	Ganesh Koripalli, Kirby Herrmann, William Shamrock

TABLE OF CONTENTS

1. Purpose _____ 1

2. Problem/Opportunity _____ 1

3. Project Goal _____ 1

4. Project Objectives _____ 1

5. Project Scope _____ 2

6. Outcomes/Success Criteria _____ 2

7. Assumptions _____ 2

8. Risks _____ 2

9. Estimated Duration _____ 2

10. Functional Requirements _____ 2

11. Non-Functional Requirements _____ 4

12. Technical Requirements _____ 4

1. PURPOSE

The purpose of this Project Definition Document is to show a brief overview and the process of Phoenixolutions development on Senior Project: I Need (IN)

2. PROBLEM/OPPORTUNITY

The opportunity to exchange or even pay for services in an easy format, will allow the user to find someone in their area to help them for either a fee, good or even another service.

3. PROJECT GOAL

Phoenixolutions was requested to work on a web application that will work with all kinds of services. The platform is being built to give the people the option to work with professionals in the area and expand the trade business or even pay a cheaper amount for a service that would have cost a lot more.

4. PROJECT OBJECTIVES

The main objectives:

- Create profiles where users can list skills and services
- Conveniently exchange services for:
 - a. money
 - b. goods/products
 - c. other services
 - d. combination of any of the above
- Help the local community and small business owners

5. PROJECT SCOPE

The main objectives:

- Exchange services through the website
- Be able to provide a medium for selling/exchanging/bartering that is easier for all sides
- Help local users and small business owners
- Have a secure account management base

6. OUTCOMES/SUCCESS CRITERIA

A usable, fully-functional platform/website that targets anyone needing a service who will be provided the following free and convenient services:

- Ability to create a secure account and profile
- Ability to add skills to your profile that you would like to offer
- Exchanging a service for other items including money, products, or other services

7. ASSUMPTIONS

Two semester course and Phoenixolutions will have the same three team members for the entire duration of the project.

8. RISKS

- Location matching issues
- Verification of skills and services

9. ESTIMATED DURATION

The duration of the project is a two-semester course and the final project being due at the end of the spring semester 2018.

10. FUNCTIONAL REQUIREMENTS

10.1 Homepage

The homepage will contain a navigation bar with features when clicked upon will take the user to those pages. The homepage will include the option to sign in/make an account. The homepage will

also contain a quick search with categories and subcategories to narrow down the user's search for a service.

10.2 Login

The login page will be accessed from the navigation bar. The login page will contain a form to collect input for the users' email address or username and password

10.3 Sign Up

The sign-up page will be accessed from the navigation bar. The sign-up page will contain a form to collect a users' information and create the user an account

10.4 Profile

Basic user interface for building a profile so that users can list their skills or services they would be willing to provide. Users will also be able to list their goods or monetary value they would be willing to trade for a service.

10.5 Navigation Bar

The navigation bar will be located at the top of each page. The navigation bar will contain a Login/Sign up button, Profile button if the user is logged in, and a search bar to look for services that the user may want.

10.6 Categories

The categories bar will be located under the navigation bar. The beginning versions of the application will have 5 categories with subcategories within each to show the services available. As the application develops it may be necessary to add more categories.

10.7 Quick Search

The search bar will allow users to type in keywords or phrases to search for a service or user specifically.

11. NON-FUNCTIONAL REQUIREMENTS

11.1 Account Security

All user accounts will be stored on a secure database and will have encrypted passwords.

11.2 Payment Security

All payments between users will be through a secure payment method such as PayPal.

11.3 Convenient Interaction between users

Message-based, context aware (by means of threads) interaction mechanism will be implemented.

12. TECHNICAL REQUIREMENTS

12.1 Front End

The user interface will consist of a web page written in HTML, CSS, Bootstrap, and JavaScript. PHP may be used to interact with the server. PayPal will be used to exchange money other payment services can be added as well.

12.2 Back End

The server will be run on CentOS using Apache as the web server. The database language used will be MySQL, and the scripting language will be PHP.

Date:

Approved by:

Approver Signature:

Mentor Name:

Mentor Signature:
