Coding Academy by Orange

أكاديمية أورنج للبرمجة

<u>MASTERPIECE PROJECT</u>

Title: Networx.

Student:Omar Al-Rantisi

Supervisor: Salameh Yasin.

Alaa Alhabarneh.

Mohammed Shwaiki.

Khadeejah Hamdan.

Third Cohort

2021/2022

Acknowledgments

I like to express my deepest gratitude to almighty Allah for giving me

the power to complete my project, as I would like to express my very

great appreciation to Coding Academy by Orange for granting me the

opportunity to be here. I am particularly grateful for the assistance given

by our dearest trainers at the Academic and I wish to acknowledge the

supervision provided by our valuable trainers Salameh Yasin, Alaa

Alhabarneh, Mohammad Shwaiki, and Khadeejah Hamdan our

researcher's supervisors, for his patient guidance, enthusiastic

encouragement, and useful critiques of this work.

Abstract

This web application is considered important to the people who want to find
technicians. It will make it easy for them to find the best choice and the best price
as well as it will save time and effort for both customers and technicians of to
communicate easily with customers, they only have to open Networx website and
look through this system and see all the choices in this website.

Chapter 1: Introduction

1.1   Overview

This web application is considered important to the people who want to find

technicians. It will make it easy for them to find the best choice and the best price

as well as it will save time and effort for both customers and technicians of to

communicate easily with customers, they only have to open Networx website and

look through this system and see all the choices in this website.

1.2   System Type:

 Web Application.

1.3   Problem Statement

There are many obstacles that have made us think about this project. Among

these obstacles are wasting the time of the customer when looking for

technicians in street or from someone we know or anywhere in addition to

the effort that will be in this process. On the other hand, the technicians make

it difficult to display their works and promote them to as many people as

possible. another reason that takes a place in customer mind is the cost, where the customers may look for a suitable cost.

1.4 Project Objectives

The main objective of the project is: "*To develop a comprehensive system that allows to the user who wants to find a technician*".

1. Reduce the search time.

2. Reduce the effort in the search process.

3. Improve communication between customers and technicians.

4. Facilitate dealing with technicians.

1.4 Projects Feature:

1. The website implements SEO.

2. The website considers UX/UI design principles considered all ages mentalities.

3. The website is fully responsive.

4. The website contains quiet animations.

5. The website considers security by hashing strong passwords and activating the authorization demanding the user's role.

Chapter 2: Literature Review

2.1 Overview

Networx website provides a set of posts that allows users *to find a technicians*, but the user must be logged in to the site first to show the single page of any *technicians*, to add privacy and security to the system.

The Networx website seeks to develop the services system in Jordan and transform them from posts in social media to a website to keep pace with the development, in addition, to saving effort and time for users.

2.2 Related Work

Many websites in the world offer many of these services a little differently, one of them:

- **Thumbtack:** Thumbtack is an American home services website. It is an online directory that allows users to search for, rate, and hire local service providers to work on a variety of personal projects, including home improvement, financial and legal services, and event planning.

2.3 Summary

Every year the number of new technicians increases, which means an increase in the maintenance process, more effort, and more time spent searching for a person who wants to work or find a technicians.

Chapter 3: Methodology

3.1 Overview

The Networx site has been designed and developed to ease the maintenance process and to save users time and effort.

3.2 System Requirements

Listed below are the functional requirements and non-functional requirements   of the system.

A. FUNCTIONAL REQUIREMENTS

No.	Requirement Description
1	The website allows users to sign in
2	The website allows admins to sign in
3	The website allows admins to access users' requests.
4	The website allows admins to access every detail of each request.
5	The website allows users to attach their and their workers information and requests.

B. NON-FUNCTIONAL REQUIREMENTS

| No.	Requirement Description
	Ease of use: The website is user-friendly, simple, and responsive
	Savings: The site provides both those who want to find technicians and users who want to work time and effort.
	Safety and confidentiality: No one is allowed access to user requests information other than the authorized body, who are admins.

3.3 Tools

No.	Tools Utilized
1	PHP Storm
2	MySQL
3	Xampp
4	Draw IO
5	GitHub
6	Zoom
7	Discord

3.4 Programming Languages

No.	Website
1	HTML5
2	CSS3 - Bootstrap
3	JavaScript
4	PHP / Laravel
5	MySQL

3.5 Methodology Process

Networx Website has been developed based on the Scrum framework. It has been generated based on 4 sprints, where a sprint is the basic unit of work for a Scrum team. This is the main feature that marks the difference between Scrum and other models for agile development.

Sprint 1   Sprint 2   Sprint 3   Sprint 4
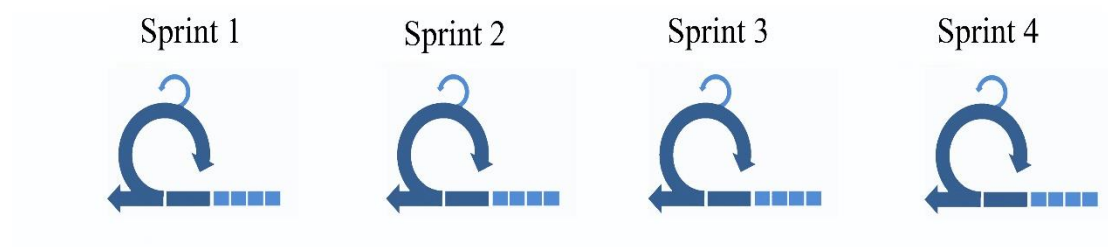
The table below demonstrates how Adopt Pet website has been developed in detail using the Scrum framework to show how each step has been conducted.

The number of sprints:	Sprint 1	Sprint 2	Sprint 3	Sprint 4
Duration of each sprint:	2 Weeks	2 Weeks	2 Weeks	1 Month
Date:	5/1 – 19/1	20/1 – 4/2	5/2 – 19/2	20/2 – 20/3
Product Backlog	Front End Public Site Style	Front End Dashboard Style	Back End for the dashboard	Back End for the website
Output				

Chapter 4: Design Models

4.1 Overview

In this chapter, I will describe the implementation of my source code in a diagrammatic fashion.

1.2   Context Diagram
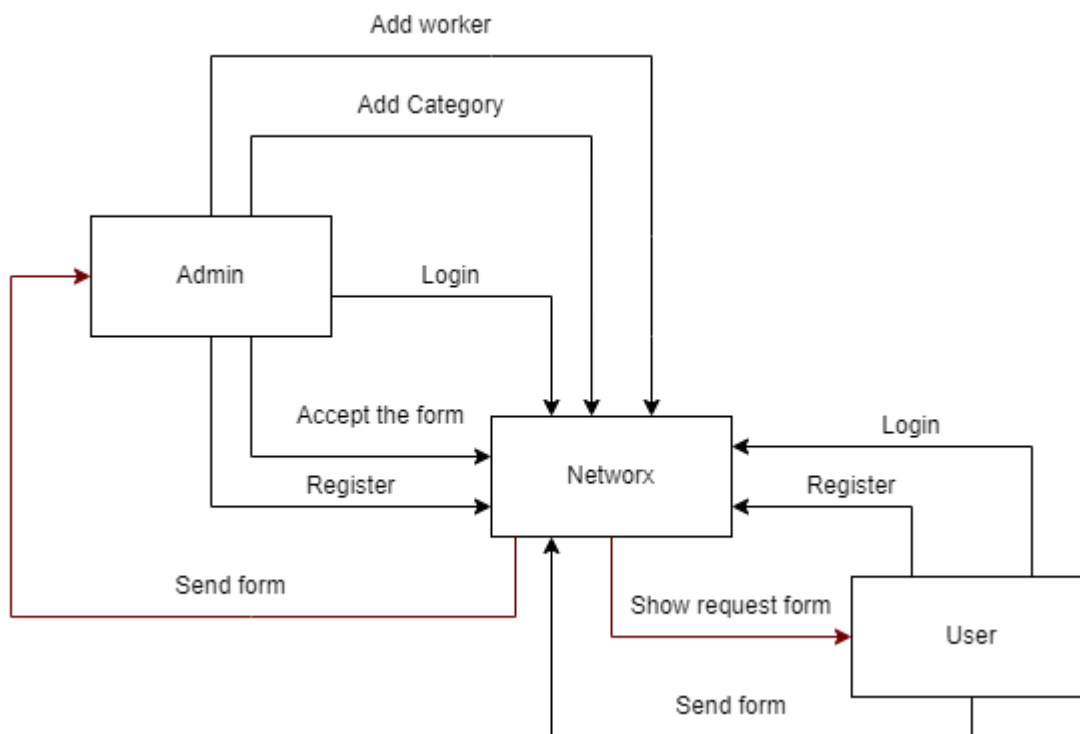
1.3 Use Case Diagram
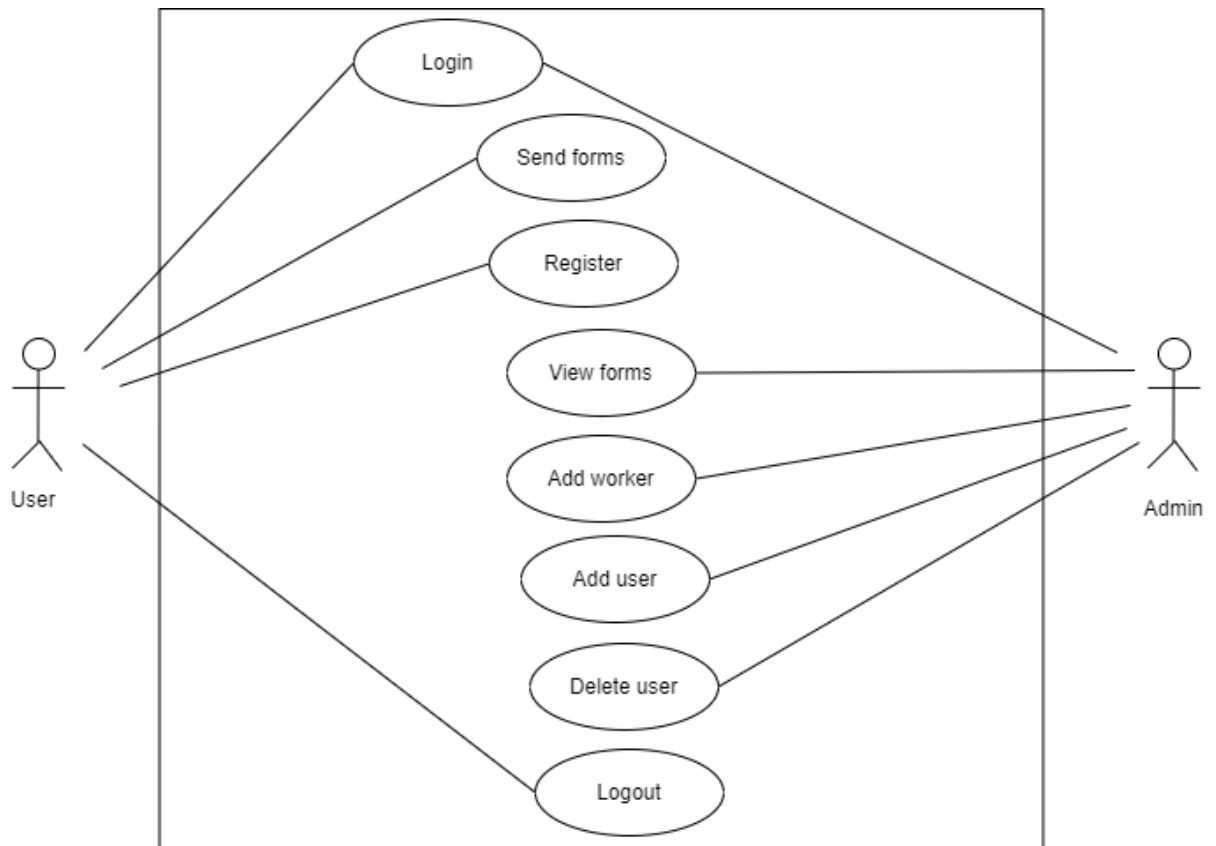
Chapter 5: Experiments and results

5.1 Overview

Networx Website has been subjected to several tests to reach the highest accuracy, assurance, and safety and to ensure that the system runs properly.

5.2 Testing Methodologies

Logging in to the Networx Website, when clicking the login button, without entering data, or valid data, an error notification will be shown, to let the user know that the login request was denied.

Chapter 6: Mockup

Find Local professionals for anything you need done.

What's Service do you need?   serach

Browse by category

Electrical and Wiring Repair

House Cleaning

Interior Painting

When you need to hire someone – a landscaper, a DJ, anyone – Thumbtack

finds them for you for free.
See price estimates, read reviews and chat with pros, all in the website.

Explore

21

Are you a Pro?

Get real-time updates about local jobs for home improvement professionals.
Discover how Networx can help your business grow, as it has for many successful local contractors.

Get Listed

· · ·

These reviews say it better.

Pamela
★★★★★

We found so many people on Networx. And some of the people we found on Networx, like our electrician, we use him now. He's great.

Pamela
★★★★★

We found so many people on Networx. And some of the people we found on Networx, like our electrician, we use him now. He's great.

Pamela
★★★★★

We found so many people on Networx. And some of the people we found on Networx, like our electrician, we use him now. He's great.

NETWORX

Useful Links

Offer your service
Home
Explore
Login
Sign up

Browse by category

Offer your service
Home
Explore
Login
Sign up

What's Service do you need? | serach

Offer your service   Home   Explore   Sign up   Login

Welcome back

Email Address

Password

☐ Remember me   Forgetten Password?

Login

Don't have an account? Sign up.

NETWORX

Top 8 Appliance Service Specialists based on our criteria

Filters

| Max-Price | 🔍 |

○ category
○ category
○ category
○ category

| Amman | ⊕ |

NAME NAME NAME NAME
Greate 4.8 ★★★★★
♀ 41 Hires on NETWORX
◉ Amman
$50/service   View Profile

NAME NAME NAME NAME
Greate 4.8 ★★★★★
♀ 41 Hires on NETWORX
◉ Amman
$50/service   View Profile

NAME NAME NAME NAME
Greate 4.8 ★★★★★
♀ 41 Hires on NETWORX
◉ Amman
$50/service   View Profile

NAME NAME NAME NAME
Greate 4.8 ★★★★★
♀ 41 Hires on NETWORX
◉ Amman
$50/service   View Profile

NAME NAME NAME NAME
Greate 4.8 ★★★★★
♀ 41 Hires on NETWORX
◉ Amman
$50/service   View Profile

NETWORX

Offer your service   Home   Explore   Sign up   Login

About   Photos   Services   Reviews

NAME NAME NAME NAME

Greate 4.8 ★ ★ ★ ★ ★

Offer your service

...

◁ Share

Introduction: Luxury High end Appliance repair is my expertise with 10 years experience contact me for a professional, clean, fast, repair today 3475918883 very knowledgable on luxury brands such as MIELE, SUBZERO, BOSCH, VIKING, LIEBHERR and appliances such as COFFEE MAKERS, DISHWASHERS, REFRIGERATORS,

Chapter 5: Database Diagram
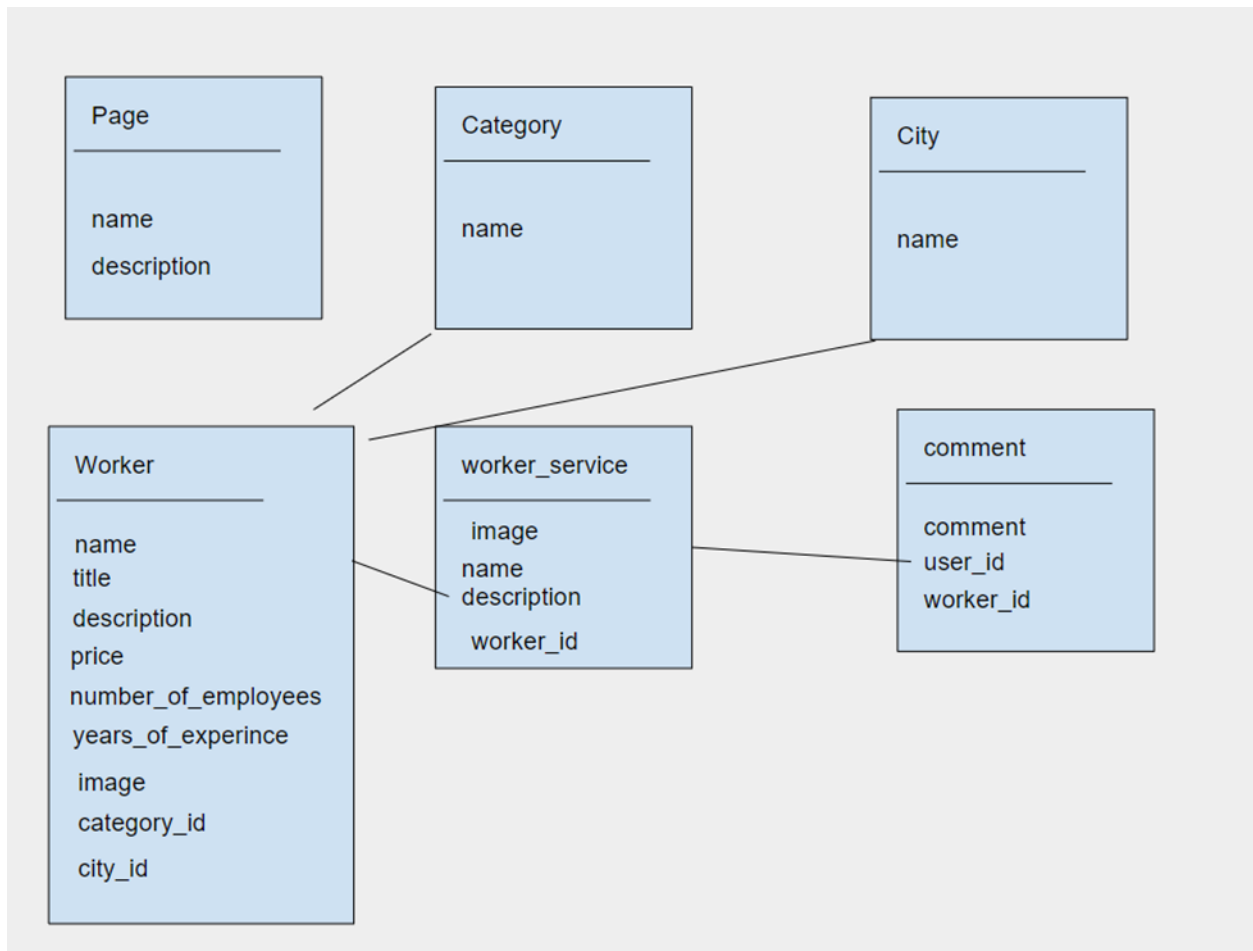
● Logic:

- ❖ Each category has many technicians (one-to-many)
- ❖ Each city has many technicians (one-to-many)
- ❖ Each technician has many services (one-to-many)
- ❖ Each technician has many comments (one-to-many)