



**Coding Academy by Orange**

**Web and Mobile Developer Course**

**Masterpiece project**

**Senior Tech**

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**Presented to the Coding Academy by Orange In partial  
fulfillment of the requirement for the certificate**

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## **ABSTRACT**

**We're told older adults are embracing technology more than ever. And there's no doubt that inventors in the digital space are scrambling to find ways to market their platforms and tools to them. (Think of high-tech wearables that monitor everything from blood pressure to daily steps taken, screen magnification, talk-to-text, and even assistive domotics and home robots). Still, we all know at least one older person who can barely text let alone maneuver mobile apps. So while they may be purchasing laptops, smartphones, and tablets and all of the possibilities they intend, many older adults say they still don't feel confident about using them.**

**A recent study published in the journal Healthcare analyzed older adults' perspectives on technology intended to allow them to stay in their own homes longer, so-called (aging in place). According to the lead author of the study, Shengzhi Wang of Design Lab at the University of California San Diego (UCSD), researchers found that many times "frustration" with new technology made older adults unsure of their ability to use it, leaving them unmotivated to even try.**

**"Frustration appeared to be a significant barrier, which led to a lack of self-confidence and motivation to pursue using the technology," Wang wrote. (Jefferson, 2019)**

**So (Senior Tech) is there to support them and make them capable of handling technology.**

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# Chapter One

## Overview

## 1.1 Introduction

Senior Tech is a contact-based social media platform that helps older adults connecting on a platform so they can share knowledge and experiences over different topics they need help with whether it was out of curiosity or to solve a problem someone is facing with their daily life problems through comfortably asking other people because it will be based on spreading awareness of how to use technology.

There will also be a specific section that is managed by the website's admins in which there will be a set of videos and articles on how to use the popular communication sites, where the user can enter the section of the social media in which he is facing a problem and if it is not a sufficient source, he can add the question and the website management will follow Comments and answers, and they will also add an official answer in the name of the account affiliated with the website.

## 1.2 Website Contents

### ➤ **Client Side**

- \*Register and login
- \*Feed
- \*Profile
- \*Course
- \*Pages
- \*Chat

### ➤ **Admin Side**

- \*Login
- \*Manage Popular Social media sites
- \*Manage posts, comments
- \*Manage Users
- \*Manage Admins (for super admin only)

### 1.3 Social Impact

The use of new technologies by older adults significantly contributes to a better quality of life, improving parameters of daily living such as transportation facilitation, communication, and participation in social life. Further, it offers the link of older adults to services that meet their immediate needs and in particular the cooperation and coordination with the network of Primary Care and Social Protection. Also, it is effective in alleviating social isolation among older adults.

# Chapter Two

## Database

### Hierarchy &

### Relationships



## 2.1 Database

1	<b>admins</b>	<b>users</b>	<b>pages</b>
2	id	id	id
3	type (admin or super admin, default admin)	name	user_id
4	name	email (unique)	image
5	email (unique)	image	name
6	image	password (bcrypt)	desc
7	password (bcrypt)		
1	<b>posts</b>	<b>comments</b>	<b>chats</b>
2	id	id	id
3	user_id (default 0 for site's admins)	post_id	sender (user id or 0, default 0 for site's admins)
4	page_id (default 0 for feed)	user_id (default 0 for site's admins)	receiver (friend id)
5	content	content	content
6	media (default null)		
1	<b>connections</b>	<b>post_users</b>	<b>comment_users</b>
2	id	id	id
3	user_id	post_id	comment_id
4	friend_id	user_id	user_id

Figure 1: Database and relations

# Chapter Three

## Visual Identity

### 3.1 Logo, Slogan, Fonts and Colors

➤ **Logo:**



Figure 2: Logo

➤ **Slogan:**

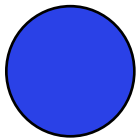
Simple Solutions for Complex Connections.

➤ **Fonts:**

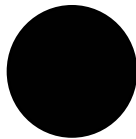
\*Segoe UI

\*Poppins

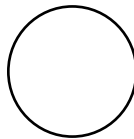
➤ **Colors:**



#2a41e7



#010101



#ffffff

## 3.2 Wireframes

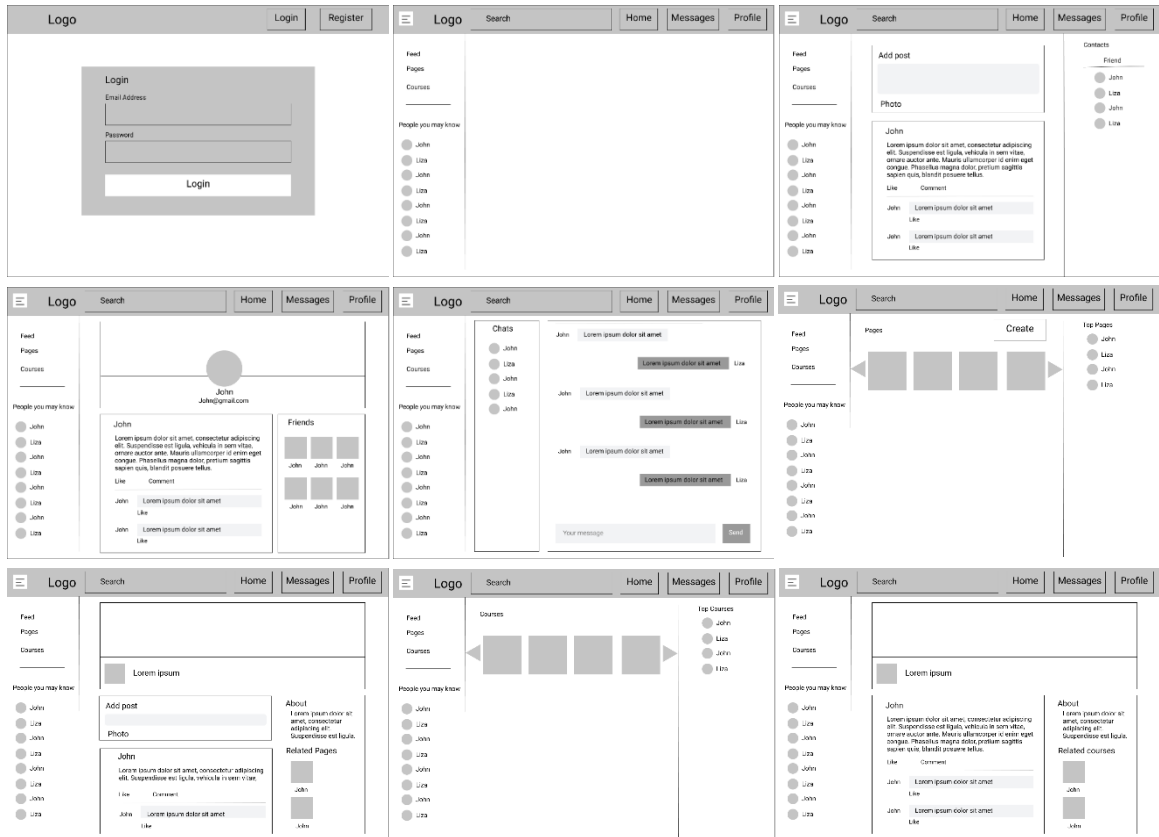


Figure 3: Wireframes

## 3.3 Mock-ups

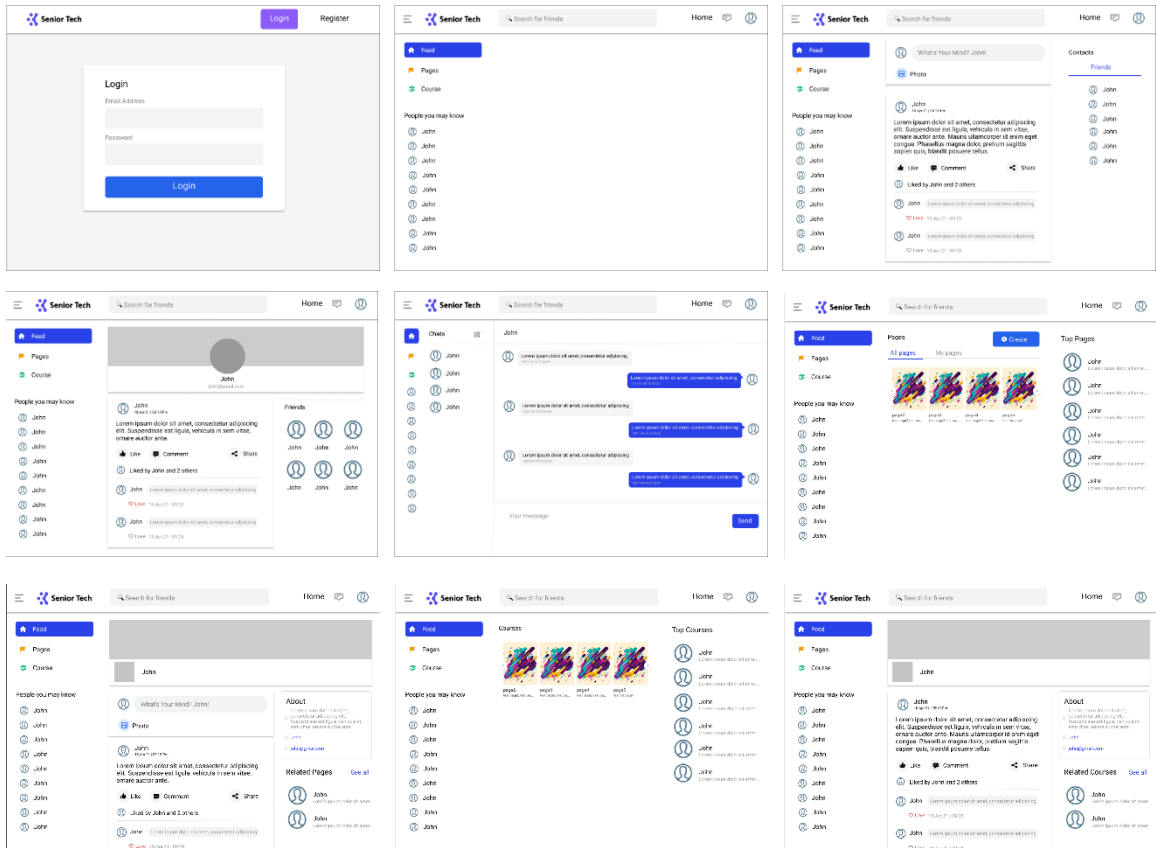


Figure 4: Mock-ups

# Chapter Four

## Software

## Interfaces

## 4.1 Used Technologies



Figure 5: The used technologies

# Chapter Five

## Business

## Model



## 5.1 Business Model Canvas

### The Business Model Canvas

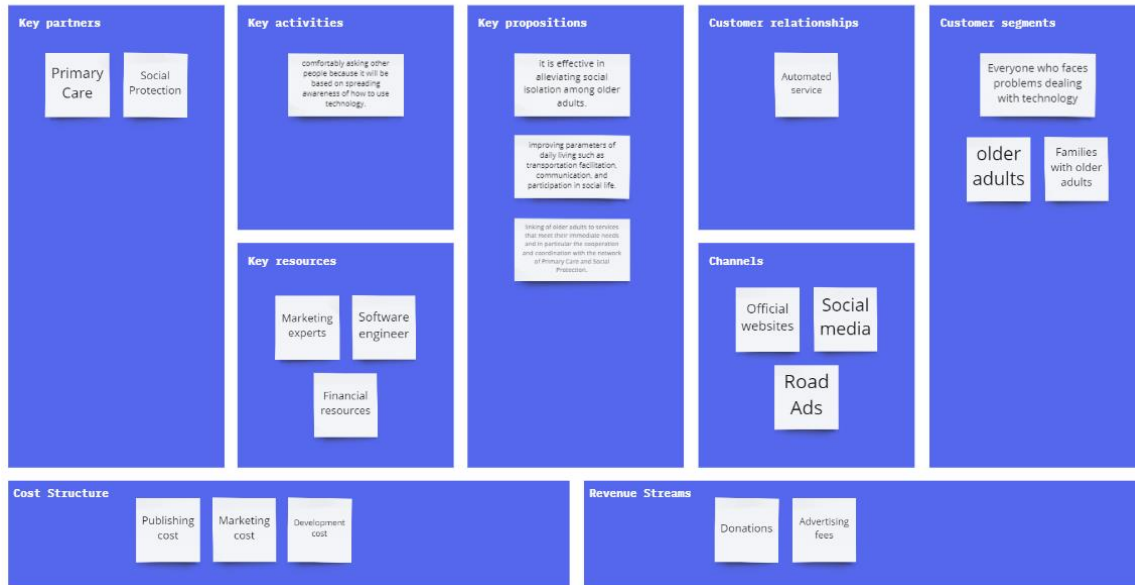


Figure 6: Business Model Canvas

# Chapter Six: Conclusion & References

## 6.1 Conclusion

I seek to develop chatting with friends in the future, it is also possible to make users able to create their groups on the platform, adding more than one media element with the post, make it possible to initiate chat groups facilitate the communication process, and creating a tutorial tour to explain how to deal with the site.

## 6.2 References

Jefferson, R. S. (2019, Jun 28). *More Seniors Are Embracing Technology. But Can They Use It? UCSD Researchers Suggest Asking Them*. Retrieved Apr 05, 2021, from Forbes: <https://www.forbes.com/sites/robinseatonjefferson/2019/06/28/more-seniors-are-embracing-technology-but-can-they-use-it-ucsd-researchers-suggest-asking-them/?sh=516d96c92323>