FPT ACADEMY INTERNATIONAL

FPT - APTECH COMPUTER EDUCATION

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Artistry Social Network

Design Document

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Semester:	3	
Batch No:	T1.2206.E1	
Group No:	2	
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This is to certify that

Mr.	**LE VIET DONG**
Mr.	**TRAN THU HUY**
Mr.	**HUYNH TAN PHUOC**
Mr.	**NGUYEN NHAT MINH**
Mr.	**CAO TIEN NAM**

Have successfully Designed & Developed

MY IMAGE

Submitted by:

Mr. TRUONG THANH TRUNG

Date Of Issue:

April-9 -2023

Authorized Signature:

Mr LE VIET DONG

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REVIEW 1

ACKNOWLEDGEMENT

First and foremost, we extend our heartfelt gratitude to our esteemed instructor, Mr. Truong Thanh Trung. Throughout the project's duration, he consistently and passionately instilled a sense of curiosity and enthusiasm for research, learning, and teaching. Without his unwavering guidance and support, the completion of this project would have been an insurmountable task. Therefore, we wholeheartedly appreciate your dedication and mentorship, Mr. Trung.

Next, the collaborative efforts of our team members were instrumental in the successful execution and completion of this project. Despite encountering numerous challenges along the way, we persevered through hard work, unwavering commitment, and the strong bond of camaraderie among us. Ultimately, we achieved our goals through collective effort.

Finally, we would like to express our gratitude to Aptech's eProject team, who provided us with a remarkable opportunity to apply our theoretical knowledge in a practical setting. This hands-on experience is invaluable as it equips us with essential skills for our future careers.

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I. Introduction

The IT industry today demands continuous learning, skill enhancement, and the practical application of concepts in a rapidly changing environment. However, the constraints of busy schedules, geographical distances, and limited availability of suitable time slots often hinder the practical application of these concepts. Hence, there is a pressing need to explore alternative methods of implementation, such as a phased approach.

These challenges are particularly pertinent to our students. Their demanding schedules make it challenging to keep pace with the ever-evolving technology landscape, especially in the field of IT education, where advancements occur rapidly. Fortunately, technology comes to our rescue in such circumstances.

With a commitment to leveraging technology in our training model, Aptech has embarked on a journey to revolutionize how our students learn and apply concepts by providing them with a live and synchronous eProject learning environment. This innovative approach aims to bridge the gap between theoretical knowledge and practical implementation, empowering our students for success in the dynamic IT industry.

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II. Problem Definition

In today's digital age, the photography and modeling industry lacks a comprehensive platform that effectively connects photographers, studios, makeup artists, models, and individuals seeking their services. Traditional methods of finding and booking these professionals are often inefficient, time-consuming, and lack transparency. As a result, both service providers and customers face challenges in establishing connections and managing bookings seamlessly.

Introducing "ArtistrySocialNetwork":

" ArtistrySocialNetwork " is poised to address these pressing issues by revolutionizing the way photography and modeling professionals interact and collaborate. SnapConnect is envisioned as an innovative web application designed to facilitate seamless communication, collaboration, and booking management within the photography and modeling community.

With ArtistrySocialNetwork, we envision a future where finding and booking photography and modeling services is as simple as a few clicks. Our platform is not just a tool; it's a catalyst for positive change within the industry. Join us on this exciting journey as we redefine the way professionals connect, collaborate, and create unforgettable moments together. SnapConnect - Where Creativity Meets Connectivity.

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1. Key Features

Profile Creation: Users can create detailed profiles highlighting their skills, portfolio, availability, and rates. This feature allows professionals to showcase their expertise and enables customers to make informed decisions when selecting service providers

Interactive Networking: ArtistrySocialNetwork offers a robust networking platform akin to social media giants like Facebook. Users can connect with fellow professionals, build communities, share insights, and collaborate on projects effortlessly. This feature fosters a sense of belonging and facilitates knowledge exchange within the community.

Booking System: The integrated booking system allows users to schedule appointments, reserve studio space, and manage bookings seamlessly. Professionals can set their availability, receive notifications for new bookings, and streamline their workflow effectively. Meanwhile, customers can browse available slots, book services, and make secure payments within the platform.

Rating and Review System: ArtistrySocialNetwork implements a transparent rating and review system where users can provide feedback based on their experience with service providers. This feature enhances trust and credibility within the community, empowering users to make informed decisions when selecting professionals.

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2. Non-functional Requirement Specifications

- Good using Interface and Experience.
- Clean code, secure and easily scalable
- Try hard to improve the performance.
- Try this website to run on all browsers.
- Try to limit bugs on this website.

3. System Requirement Specifications

a. Server Requirement:

- Hardware:

    ❖ Component CPU:

        ➢ Processor type:

        ➢ Core-I3 processor or faster

        ➢ Processor speed: Recommended: 2.0 GHz or faster

    ❖ OS:

        ➢ Microsoft Windows XP or higher with IIS

    ❖ Memory (RAM):

        ➢ Minimum: 512MB

        ➢ Recommended: 2GB or more

    ❖ Hard Drive:

        ➢ Minimum: 200 MB

        ➢ Recommended: 50 GB or more

        ➢ Maximum: Operating system maximum

- Software:

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- ❖ Spring boot 6, Nextjs 14, Flutter
- ❖ RDBMS: MySql, MongoDB

b. Client requirements:

- ● Hardware:
  - ❖ Component CPU:
    - ➢ Processor type:
    - ➢ Core-I3 processor or faster
    - ➢ Processor speed: Recommended: 2.0 GHz or faster
  - ❖ OS:
    - ➢ Microsoft Windows XP or MacOS …
  - ❖ Memory (RAM):
    - ➢ Minimum: 512MB
    - ➢ Recommended: 2GB or more
  - ❖ Hard Drive:
    - ➢ Minimum: 512MB
    - ➢ Recommended: 1 GB or more
- ● Software:
  - ❖ Web Browser: Microsoft Edge, Mozilla Firefox, Chrome

c. Development Software:
- ● **Development Software:**
  - ● WebStorm

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- IntelliJ.
- Microsoft Visual Code

d. Technology:
- Server: Microservice, Spring boot, MongoDB, MySQL, Websocket, Elastic Search, Redis Cache
- Client: NextJs 14, Flutter

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