



CAPSTONE PROJECT REPORT

Report 1 – Project Introduction

- Hanoi, May 20, 2021 –

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Definition and Acronyms

| Acronym | Definition |
|---------|------------------------------------|
| API | Application Program Interface |
| BA | Business Analysis |
| BR | Business Rule |
| CRUD | Create, Read, Update, Delete |
| DB | Database |
| DBMS | Database Management System |
| EC2 | Elastic Compute Cloud |
| ERD | Entity Relationship Diagram |
| FK | Foreign Key |
| IDE | Integrated Development Environment |
| IT | Information Technology |
| JS | Javascript |
| PK | Primary Key |
| PM | Project Manager |
| QA | Quality Assurance |
| RDS | Relational Database Service |
| S3 | Simple Storage Service |
| SRS | Software Requirement Specification |
| UAT | User Acceptance Test |
| UC | Use Case |
| UI | User Interface |
| UML | Unified Modeling Language |
| UX | User Experience |
| WBS | Work Breakdown Structure |

I. Project Report

1. Status Report

| # | Work Item | Status | Notes (Work Item in Details) |
|---|-----------------------------|-----------|------------------------------|
| 1 | Overview | Completed | |
| 2 | Product Background | Completed | |
| 3 | Existing System | Completed | |
| 4 | Business Opportunity | Completed | |
| 5 | Software Product Vision | Completed | |
| 6 | Project Scope & Limitations | Completed | |

2. Team Involvements

| # | Task | Member | Notes (Task Details, etc.) |
|---|-----------------------------|--------|----------------------------|
| 1 | Overview | TuND | |
| 2 | Product Background | TuND | |
| 3 | Existing System | TuND | |
| 4 | Business Opportunity | TuND | |
| 5 | Software Product Vision | TuND | |
| 6 | Project Scope & Limitations | TuND | |

3. Issues/Suggestions

| # | Issue | Status | Notes (Solution, Suggestion, etc.) |
|---|-------|-------------|------------------------------------|
| 1 | | Pending | |
| 2 | | In Progress | |
| 3 | | Completed | |

II. Project Introduction

1. Overview

1.1 Project Information

- Project name: **Information Sharing System**
- Project code: **SAFO**
- Group name: **SWP490_Safo**
- Software type: **Website, Application**
- Timeline: May 10th 2021 - September 2021

1.2 Project Team

a. Supervisor

| Full Name | Email | Mobile | Title |
|--------------|------------------|------------|----------|
| Pham Ngoc Ha | hapn10@fe.edu.vn | 0988623000 | Lecturer |

b. Team Members

| Full Name | Email | Mobile | Role |
|--------------------|----------------------------|------------|--------|
| Nguyen Danh Tu | tundhe130278@fpt.edu.vn | 0344166960 | Leader |
| Vuong Manh Linh | linhvmhe130187@fpt.edu.vn | 0868840256 | Member |
| Nguyen Minh Duc | ducnmhe130913@fpt.edu.vn | 0904777599 | Member |
| Tran Hoai Phan Anh | anhthphe130193@fpt.edu.vn | 0911285253 | Member |
| Nguyen Thanh Thanh | thanhnthe130181@fpt.edu.vn | 0384139260 | Member |

2. Product Background

2.1. Reasons to develop this project

Business cards are a staple of the corporate and professional world. The usefulness of a business card is showing all of your contact details in a single, convenient location. Hand one to someone you meet, and you're more likely to continue the conversation later.

In the digital era, it's essential to also use digital business cards to share all of your contact details in one convenient view. Digital business cards are easy to share and perfect to consolidate all of your accounts and contact details in a single view.

2.2. What is a Digital Business Card?

A Digital Business Card is the virtual representation of your physical business card.

The purpose of a digital business card is simple: to help you connect with more potential clients, partners, and co-workers.

We're already familiar with traditional business cards, the printed product that you might hand to a potential client or colleague. It's a perfect way of networking and leaving your contact details to connect later on.

Digital business cards serve primarily the same purpose. Most of us are on so many platforms (LinkedIn, Twitter, Instagram, and more) that it can be overwhelming to share all of those details at once. That's where virtual business cards shine.

The point of an e-business card is to create a single, simple, shareable file with all of your contact details. That way, the recipient has no friction to follow your account on social media or contact you using the details.

3. Existing Systems

3.1. Switchit

Switchit focuses on simplicity. The pre-built templates and designs have already taken care of most of the work for you. All that's left to customize is the contact placeholders with your details. Most of the core features are available as part of a "forever free" plan to help you create a virtual business card on a budget.



Figure - Website Switchit System

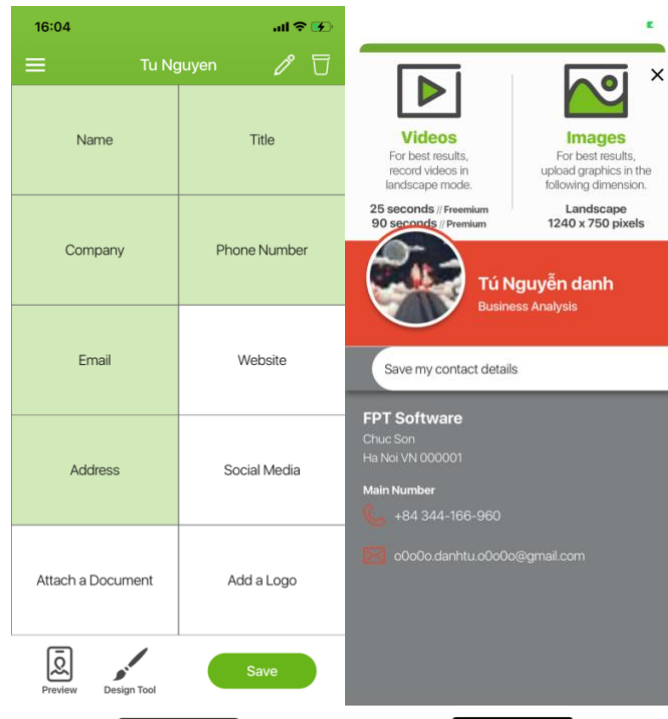


Figure - Applicatio Switchit System

Switchit is also a great option because the recipients don't even need the app to view your card. You get an easily shareable link or template that you can drop into a variety of outlets.

Summary of the advantages and disadvantages of Switchit

| Pros | Cons |
|--|--|
| <ul style="list-style-type: none"> The interface is clean, simple will takes care of the work for you. User experience is very good, anyone can use and customize it easily. | <ul style="list-style-type: none"> Switchit focuses on simplicity but too monotonous. |

Table - Pros and Cons of Switchit

3.2. Haystack

Haystack is targeted at creating digital business cards for your team with a consistent style. You can use it to set up a style that everyone within your organization can easily tap into. All they've got to do is add their user-specific contact details, and they'll quickly create an e business card.

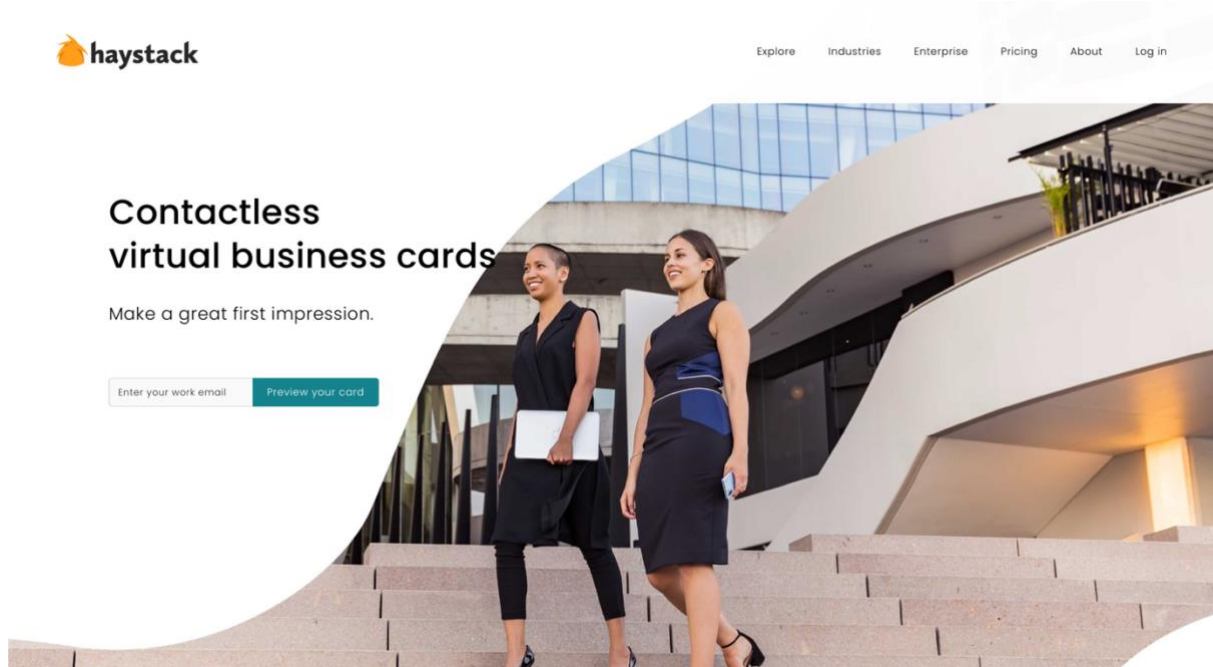


Figure - Website Haystack System

Another great feature is the analytics data built into Haystack. That type of data helps your team see how many users are visiting your contact cards, helping you understand how your marketing efforts are working.

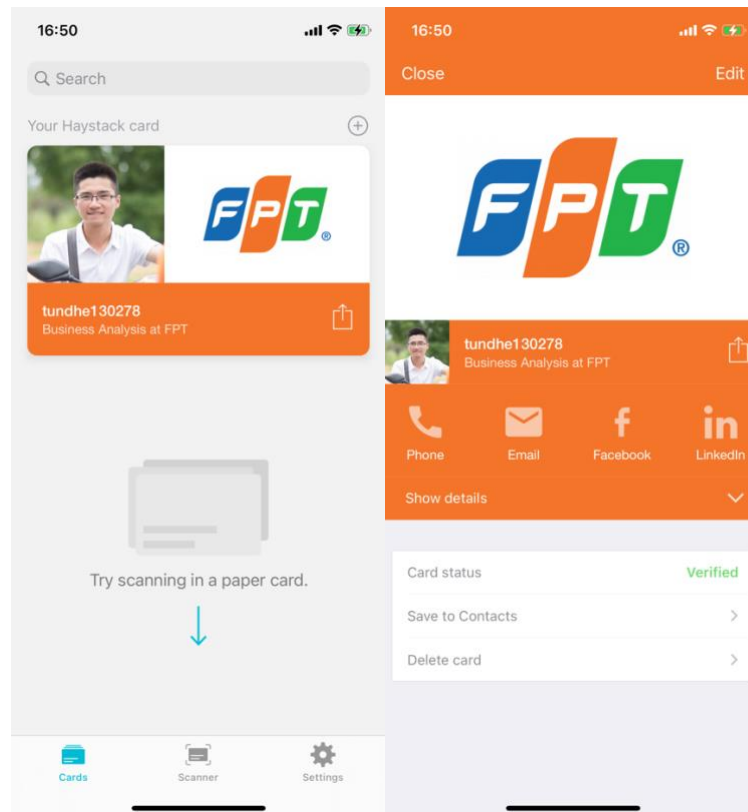


Figure - Application Haystack System

Setting it up as a test case took only a few minutes, so my testing can personally vouch for its ease of use.

Summary of the advantages and disadvantages of Haystack

| Pros | Cons |
|--|---|
| <ul style="list-style-type: none"> The interface is clean, simple will takes care of the work for you. User experience is very good, anyone can use and customize it easily. | <ul style="list-style-type: none"> The vast majority of informations available within a business card. |

Table - Pros and Cons of Haystack System

3.3. L-Card

L-card has all of the features that you need in an electronic business card tool, particularly a great selection of pre-built templates. Those help you launch your e business card much more quickly than designing one on a blank slate.

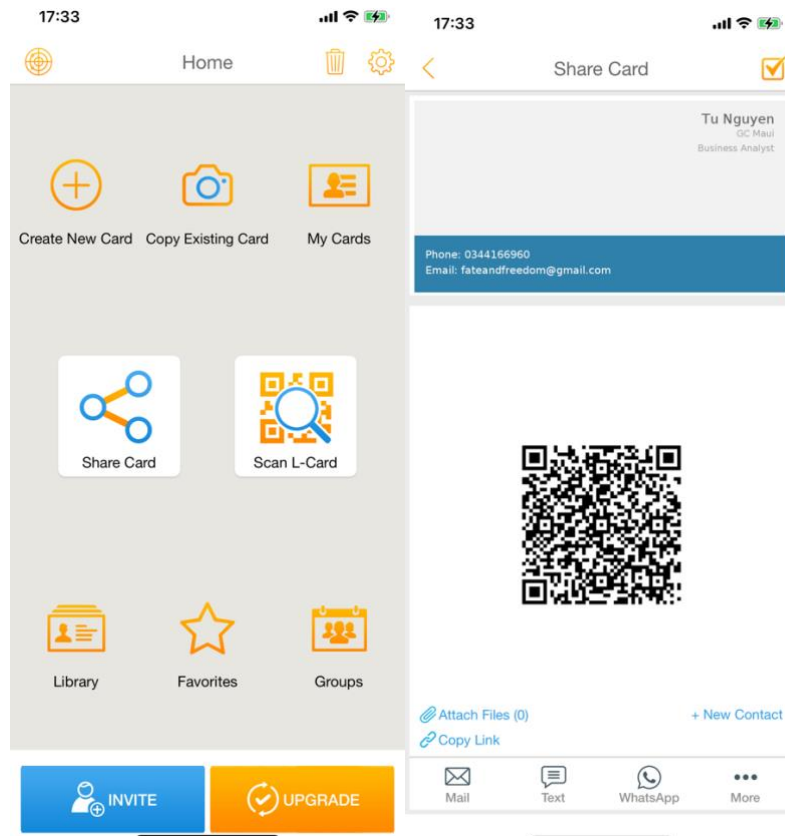


Figure - L-Card Application

This app is focused on the mobile experience, prioritizing the iOS and Android apps. Digital business cards on L-card are designed to replace the physical copies thanks to easy scanning and sharing features. You can build a deep and easy-to-browse library with the organization as well.

Summary of the advantages and disadvantages of Haystack

| Pros | Cons |
|--|--|
| <ul style="list-style-type: none"> The interface is clean, simple will takes care of the work for you. User experience is very good, anyone can use and customize it easily. | <ul style="list-style-type: none"> Lack of social network. Too monotonous. |

Table - Pros and Cons of L-card System

4. Business Opportunity

Digital business cards are like a micro-website for your business. You can stretch-out chunks of information about your business on a single one since they offer unlimited space.

It is like creating an online presence and bringing your brick-and-mortar store or your physical business location online where 76% of your potential customers spend 86% of their day.

5. Software Product Vision

Business cards are a staple of the corporate and professional world. The usefulness of a business card is showing all of your contact details in a single, convenient location. Hand one to someone you meet, and you're more likely to continue the conversation later.

In the digital era, it's essential to also use digital business cards to share all of your contact details in one convenient view. Digital business cards are easy to share and perfect to consolidate all of your accounts and contact details in a single view.

6. Project Scope & Limitations

6.1 Major Features

There are 3 types of user in Safo System:

| Type of User | Description |
|--------------|---|
| Admin | People who manage the SAFO System |
| Guest | The user that has not yet registered an account |
| User | The registered user of the system |

Safo System will provide the following functions to the above users:

| FE | Description |
|----|---|
| 01 | Share your digital business card with anyone. |
| 02 | Create beautiful, personalized digital business cards using Safo's state-of-the-art Card Design Suite (Theme). |
| 03 | Call, Text or Email, etc. your contacts directly from a selected card using the quick connect buttons. |
| 04 | The Card Listing feature allows users save all their friends when they scan another cards. |
| 05 | Also with being a solution for individuals, Safo also offers a Enterprise subscription which allows organizations to provide employees with digital business cards. |
| 06 | Adding your eCard to your email signature. This allows your business card to be included in each message you send. |

Table - Major Features

6.2 Limitations & Exclusions

| LI | Description |
|----|--|
| 01 | Users can not upload and transform existing paper cards to digital business cards. |
| 02 | Users can put digital business cards in full control with a theme like fonts, sizes, position of icons, etc. |

Table - Limitations and Exclusions