

Exercise 1.

Project Title: " CampusPass: Revolutionizing Campus Security at Palawan State University"

Subtitle: "A Comprehensive Case Study on the Electronic Gatepass System Implementation"

In response to the growing need for enhanced campus security and streamlined visitor management, ' CampusPass' was conceptualized as a cutting-edge solution tailored to Palawan State University's unique requirements. This comprehensive case study dives deep into the meticulous planning, precise execution, and transformative impact of the Electronic Gatepass System implementation.

Client: Palawan State University

Company: [no company name yet]

Project Type: Campus Security and Efficiency Enhancement

Date: May, 2023

Exercise 2.

Role:

- I was solely responsible for the initial planning phase of the project. During this phase, I defined the project's scope, objectives, and deliverables independently. I also established realistic timelines and milestones to guide the project's progress.
- I also conducted a thorough analysis of the existing campus security and visitor management systems at Palawan State University. This involved evaluating the strengths and weaknesses of the current setup to identify areas that required improvement.

Project Summary

The "CampusPass: Revolutionizing Campus Security at Palawan State University" project was a pioneering endeavor driven by a deep commitment to improving the campus environment. Before its implementation, students, faculty, and visitors faced substantial challenges, including extended waiting times at entry points, difficulties in verifying identities, and concerns about unauthorized access. These challenges not only impacted the daily routines of the university community but also raised security concerns. With a dedicated focus on addressing these issues, the project's core objective was to introduce an Electronic Gatepass

System that would not only enhance security but also streamline the often cumbersome visitor registration process. The overarching goal was to create an environment where safety, accessibility, and efficiency harmonized seamlessly.

Exercise 3.

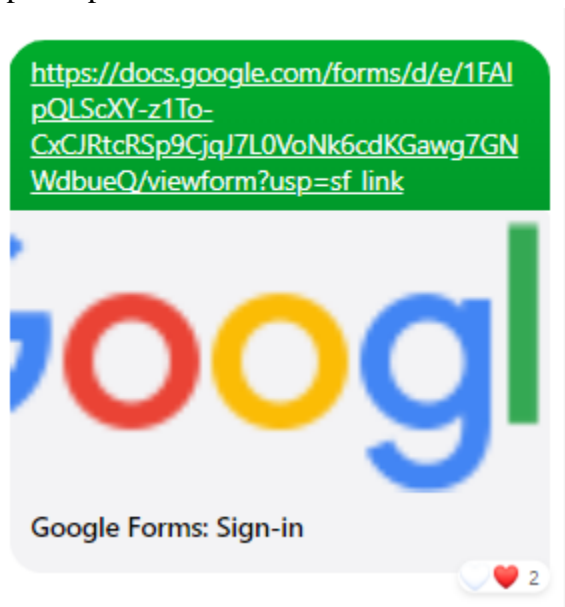
Problem Statement

The campus environment at Palawan State University faced significant challenges prior to the implementation of the "CampusPass: Revolutionizing Campus Security" project. These challenges included long waiting times at entry points, difficulties in identity verification, recurring security concerns related to unauthorized access, and the absence of real-time monitoring capabilities. These issues disrupted daily operations, caused frustration, and raised security risks. To create a more secure, efficient, and user-friendly campus environment, the "CampusPass" project aimed to address these critical challenges comprehensively.

User Interviews

User Interview Setup (Using Google Forms):

- I created a customized Google Form specifically tailored to gather user insights and feedback regarding the existing campus security and access system.
- The Google Form was designed to be user-friendly and accessible to a wide range of participants.



User Interview Questions (Google Forms):

1. What are the challenges you encountered before the Electronic Gatepass System was implemented?
2. How frequently did you face these challenges?
3. Did the challenges you encountered affect your overall campus experience?
4. In your opinion, how do you think the Electronic Gatepass System could address or alleviate these challenges?
5. How concerned were you about safety and security on campus before the Electronic Gatepass System was implemented?

Pain Points

1. Extended Waiting Times:

Students, faculty, and visitors, reported significant waiting times at campus entry points. This was a major inconvenience and frustration, as it led to delays in accessing the campus and disrupted their schedules.

Feedback: "Waiting for entry takes up too much time."

2. Difficulty in Identity Verification:

The existing manual gatepass system made it complex for individuals to prove their identities efficiently. Users found this process complicated and expressed concerns about the security implications.

Feedback: "Anyone could enter without proper verification"

3. Security Concerns:

There was a prevailing sense of security concerns due to the lack of robust access control measures. Users were worried about unauthorized access to the campus, especially given the difficulties in identity verification.

Feedback: "I'm not sure who's entering the campus, and that worries me,"

Feedback: "Security should be a priority."

Affinity Mapping



Personas

SARAH SANCHEZ

DEMOGRAPHICS

- Age: 20
- Gender: Female

EDUCATION
Palawan State University

- Year: 3rd-year undergraduate

Course

- Computer Science

NEEDS:

- Quick Entry: Sarah needs a gatepass system that allows her to enter the campus promptly.
- Secure Environment: She values a secure campus that ensures her safety.
- User-Friendly Experience: Sarah prefers an easy-to-use system that doesn't add complexity to her daily life.

GOALS:

- Efficient Campus Access: Sarah wants a smooth and quick entry into the campus without long waiting times to attend her classes and extracurricular activities.
- Academic Success: She aims to excel in her studies and values a secure campus environment to focus on her coursework.
- Minimal Hassle: Sarah seeks hassle-free solutions for her daily routines, including accessing the campus and attending events.

BEHAVIOUR:

- Sarah arrives at the campus early to avoid long queues at the entry points.
- She frequently interacts with fellow students and engages in campus events.

CONTACT

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MATTHEW SANTOS

DEMOGRAPHICS

- Age: 45
- Gender: Male

EDUCATION
Palawan State University

- Biology Professor

department

- Biology Department

NEEDS:

- **Swift Access:** Professor Matthew needs a gatepass system that allows him to enter campus premises quickly and efficiently.
- **Research Support:** He requires access to research facilities and laboratories.
- **Safety Measures:** Matthew values campus security measures to protect himself and his students.

GOALS:

- **Effective Teaching:** Professor Matthew aims to provide quality education to his students and needs efficient access to classrooms and labs.
- **Research and Administration:** He balances teaching with research and administrative tasks.
- **Campus Security:** He wants a secure campus environment for himself and his students.

BEHAVIOUR:

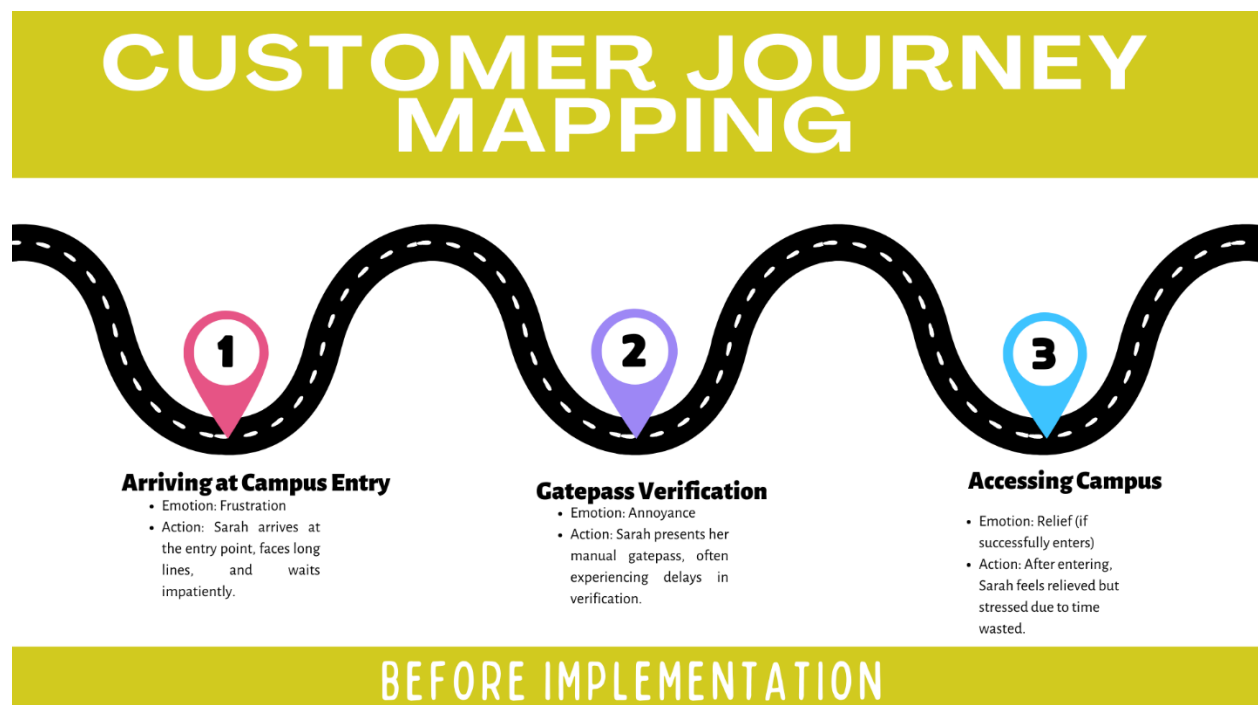
- He often conducts research experiments in the laboratories.
- Professor Matthew actively participates in department meetings and campus safety initiatives.

CONTACT

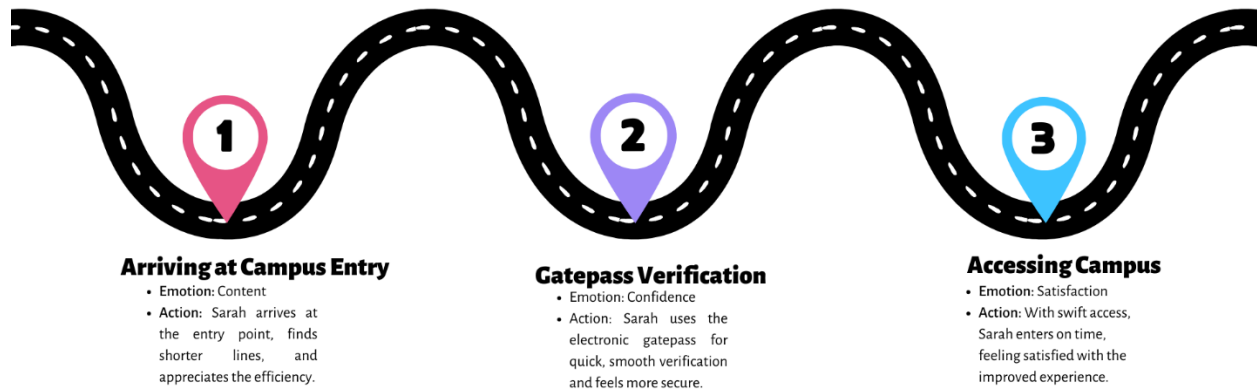
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Customer Journey Mapping



CUSTOMER JOURNEY MAPPING



AFTER IMPLEMENTATION

EXERCISE 4

Design Solution 1: Electronic Gatepass System

Outcome: Implement an electronic gatepass system that includes RFID or QR code technology, allowing for quick and secure access to the campus. This solution aims to eliminate the long waiting times at entry points and streamline the entry process.

Design Solution 2: Mobile App Integration

Outcome: Develop a mobile app that enables students, faculty, and visitors to access their gatepass digitally. The app should also provide real-time updates on entry points waiting times and offer a user-friendly interface for gatepass management.

Design Solution 3: Real-time Monitoring and Reporting

Outcome: Install security cameras and access control systems for real-time monitoring of entry points. This design solution aims to enhance security measures by providing real-time data on who enters and exits the campus, reducing security concerns and unauthorized access.