Overview

School transactions are an important part in a Mapua Malayan student life. Essential transactions include tuition fee balance check from the Treasury Office and document requests from the Registry Office. Moreover, there are also possible transactions that can be made with the various centers of the Office of Student Services, such as advising or counseling booking and document processing at the Center for Student Activities and Discipline.

Currently, these transactions are mostly done through manual methods, wherein technology is only used in encoding and storing data, as well as communication through email or instant messaging. For most transactions, the forms used are still physical ones and the validation process is also manual. This means that a student must physically visit the corresponding office or center where the transaction will take place and then wait in queues and the actual processing.

In conclusion, we have noticed a significant inefficiency issue. Students may decide not to continue their intended transaction at all since they may classify long waiting queues and processing times as a waste of time. For students who do, they would need to have more patience in waiting and undergoing the process.

Solving the Problem

With this, developing an integrated solution that will combine all possible and applicable transactions from different offices in one place is proposed by the team. First, the team will consider all possible transactions and identify frequent and important ones. At the very least, users shall be able to view their enrollment status, schedule, and grades from the Registry and their balance from the Treasury. Secondly, the team will consider other transactions to be included. With that, it is possible that information and electronic forms from the other offices and centers shall be accessible as well in order for the user to transact without physically going to the respective office. Finally, before the release of the service, the team will ensure that comprehensive user testing is done to ensure quality and ease of use.

The Application
- **Name:** MalayanPORTAL

- **Background**

    MalayanPORTAL is a website that integrates all the possible transactions a student can have with the school. Its main purpose and initial goal are to show a dashboard about the student in which their vital information, enrollment status, subjects enrolled, unit, professor, grades, and tuition fee status are shown. Moreover, they should also be able to access digital forms that are commonly used in various school offices.

- **Features**

    These are the expected and primary features of malayanPORTAL:
    - Dashboard
        - This is the summary of all the information from the different main pages. It also includes the information about the student.
    - Enrollment (Status, Schedule, Units, Professor)
        - This shows the enrollment status of students, which will include the schedule/GSA together with the number of unit and information of professors.
    - Tuition Fee
        - This shows the overview of the transactions of a student on the Treasury Office. It shows the status of tuition fee payments, logs from previous payments, breakdown of tuition fees, and remaining balance for the current term.
    - Forms
        - This includes a directory of the different offices/centers of the school. Under each entry, contact information and digital forms are found.

- **Application FAQs**
    - Who are the potential users?
        - The potential users of malayanPORTAL are all students of Mapua Malayan Colleges Mindanao across all departments from the high school unit to the college level. Therefore, it is important to have a modern, yet easy-to-use and intuitive website.

- o What tasks do they seek to perform?
    - ▪ The users will surely seek to perform vital school transactions, specifically accessing data or records from main offices such as the Registry and Treasury.
- o What functionality should any system provide to these users?
    - ▪ The system shall provide high transactional and data access functionalities to the users. This means that the team shall be careful about the amount of information being shown and being asked to and from the user.
- o What constraints will be placed on your eventual design?
    - ▪ Users who suffer from multiple serious disability may be unable to use the developed website as intended by the team.
    - ▪ The team intended to make a website to make the application responsive to virtually any device that can connect to the internet. The development of a native mobile app is not considered by the team as of the moment.
- o What criteria should be used to judge if your design is a success or not?
    - ▪ Users can evaluate the app through these key points:
        - • Easy Navigation: Users can intuitively go to their intended part of the app.
        - • Performance: Users can see live and/or upload data swiftly.
        - • Reliability: Users should not experience extensive downtime or slowdowns due to a high level of use.

Approach:

START

The proponents will identify the problems regarding the efficiency of the institution's student life

Data Gathering

Create an observation checklist to systematically record observations

Identify other features and design implementations that students would like to have in the application.

Collect observations in various settings within the institution

Are a minimum number of observations recorded?

NO

YES

Data Interpretation

Are there new problems discovered from the result of the observation?

YES

NO

Prototyping

Use the collected data to aid with the creation of MalayanPORTAL

FINISH

LEGENDS:

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