



Republic of the Philippines  
City of Olongapo

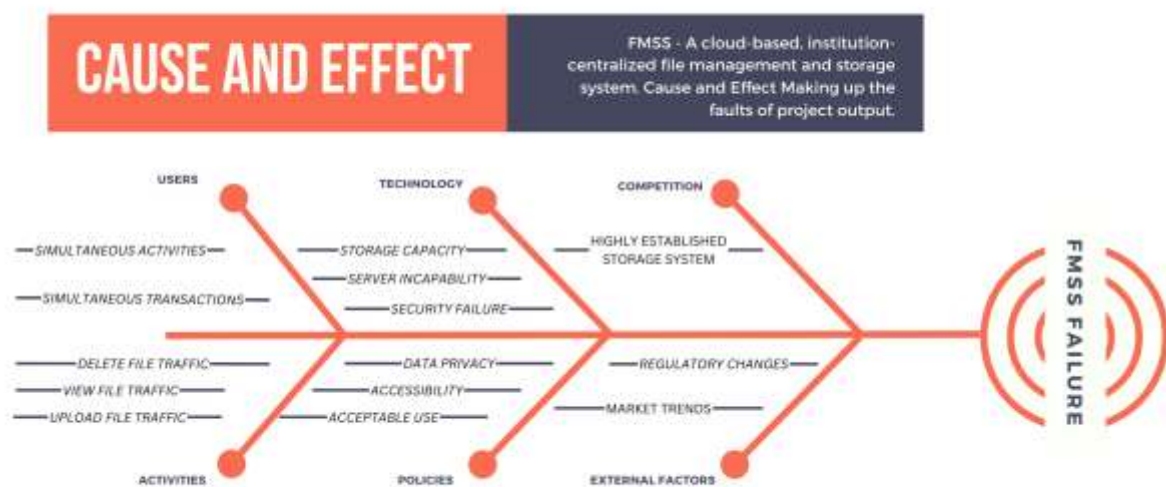
## GORDON COLLEGE

Olongapo City Sports Complex, East Tapinac, Olongapo City  
Tel. No. (047) 224-2089 loc. 314



### 4.4 Cause and Effect – Fishbone Diagram

FMSS is designed with a focus on efficiency and user-friendliness. Nevertheless, several factors can impede the system's intended functionality. These factors have been meticulously analyzed and visualized through a comprehensive fishbone diagram, providing a structured representation of the various elements influencing the system's performance.



Our current system exhibits imperfections that necessitate attention to achieve our objectives. Among the challenges we face are user-related issues, particularly instances of concurrent transactions that can result in significant network congestion despite the implementation of advanced technologies. Additionally, file transaction activities pose a concern, potentially compromising system performance and rendering it inoperable.



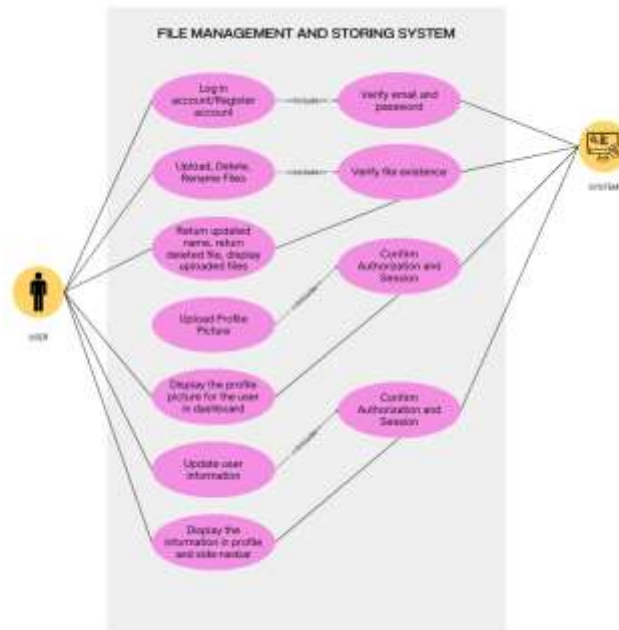
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### 4.5 Use Case Diagram



Users have the option to either create a new account or log in with existing credentials. Upon verification of these credentials, the system will establish user authorization and session management. Authorized users are granted privileges to upload, delete, recover, and rename files, provided that the respective files exist on the server. Additionally, users have the capability to upload a profile picture, which will be stored on the server and subsequently displayed on the dashboard page. Furthermore, users retain the ability to update their personal information as desired, with these updates reflected on the profile page for reference.



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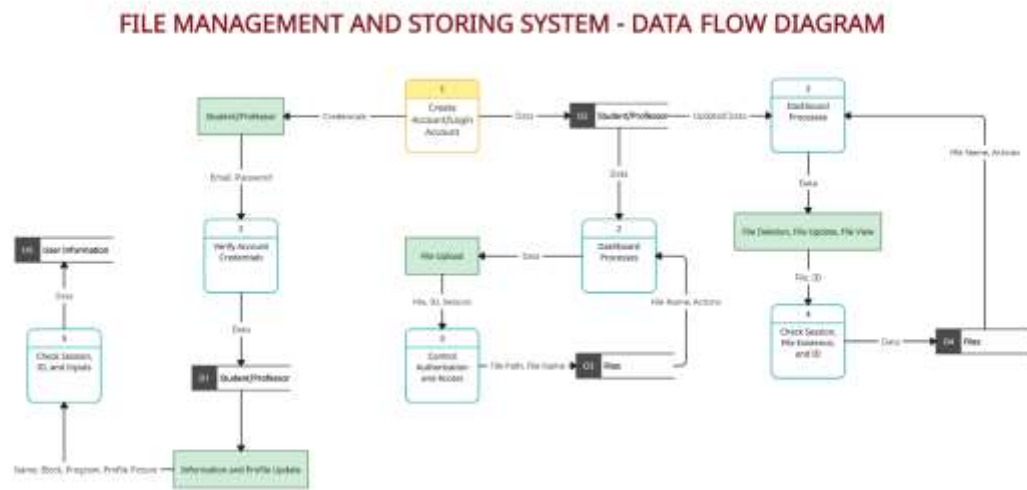
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### 4.6 Design

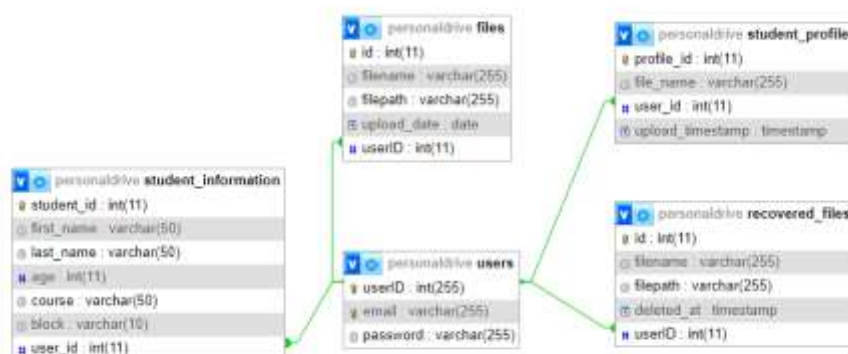
#### 4.6.1 Data Flow Diagram



The data the users pass will go through several process. This process makes up the entirety of the user-system application. These processes include data storage and data passing.

#### 4.6.2 Entity Relationship Diagram

Diagram 1 – XAMPP Designer





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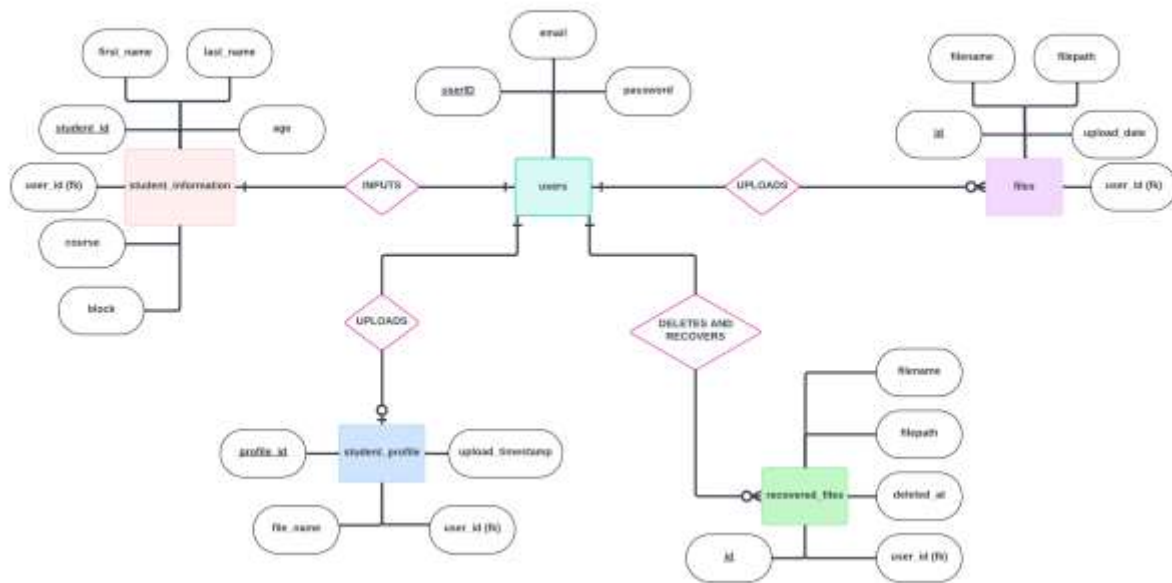
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Diagram 2

### FMSS - ENTITY RELATIONSHIP DIAGRAM



Within FMSS, users are empowered to upload multiple files simultaneously, affording efficiency in file management tasks. Moreover, users retain the flexibility to delete or recover either individual files or multiple files concurrently, offering tailored control over their stored data. Additionally, users have the option to upload a profile picture to personalize their account interface. Furthermore, users can easily edit their personal information as needed, ensuring accurate and up-to-date details are maintained within the system.



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### 4.6.3 User Interface

#### 4.6.3.1 Registration Form

A registration form titled "Register to Personal Drive" is displayed on a light blue background. The form includes a black circular logo at the top, followed by the title. Below the title are three input fields: "Enter email", "Password", and "Confirm Password". Each field has a small icon on the right side. At the bottom of the form is a green button labeled "Create Account" and a link that says "Already have an account? login".

#### 4.6.3.2 Login Form

A login form titled "Login to Personal Drive" is displayed on a light gray background. The form includes a black circular logo at the top, followed by the title. Below the title are two input fields: "Email" and "Password". Each field has a small icon on the right side. At the bottom of the form is a blue button labeled "Login to Personal Drive" and a link that says "Don't have an account? Create Account".

#### 4.6.3.3 Dashboard



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Student Personal Drive

Search Files...

Search

Choose Files

No file chosen

Upload

Uploaded Files:

Filename	Upload Date	Actions
Template - Copy.docx	2024-02-26	<div><div></div><div></div><div></div><div></div></div>
Template - Section 2.docx	2024-02-26	<div><div></div><div></div><div></div><div></div></div>

## 4.6.3.4 Profile Page

Student Personal Drive

Profile Picture

How many upload a profile picture using the buttons below

Choose File

Upload

User Information

First Name	Spongebob
Last Name	Squigpanti
Age	18
Course	BSED
Block	C

Edit Profile



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### 4.6.3.4.1 Profile Page – Edit Profile

The screenshot shows a web interface for a 'Student Personal Drive'. At the top, there is a header with a hamburger menu icon on the left and the text 'Student Personal Drive' on the right. Below the header, there is a large, faint background image of SpongeBob SquarePants. In the center, there is a white 'Edit Profile' modal form with a close button (X) in the top right corner. The form contains five input fields: 'Enter First Name', 'Enter Last Name', 'Enter Age', 'Enter Course', and 'Enter Blood'. Below these fields is a blue 'Save Changes' button. On the left side of the page, there is a sidebar with the title 'User Information' and a list of fields: 'First Name', 'Last Name', 'Age', 'Course', and 'Blood'. At the bottom of this sidebar is a blue 'Edit Profile' button.



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#### 4.6.3.5 Recovered Files

