

**Memento Mori: Project Proposal**

Onthatile Lesufi, 231262

Open Window, School of Creative Technology

DV200

Lecturer(s): Tsungai Katsuro

24 July 2025

## Table of Contents

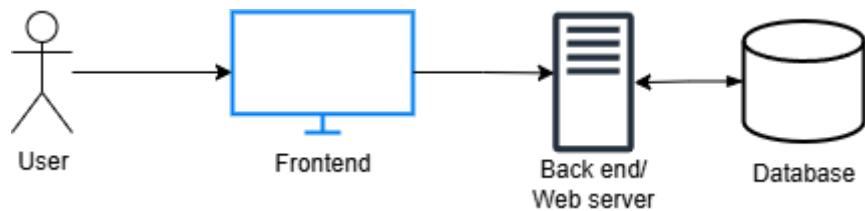
<b>Client Conceptualisation &amp; Problem Statement.....</b>	<b>3</b>
<b>System Architecture.....</b>	<b>3</b>
<b>Feature Requirements &amp; Scope.....</b>	<b>4</b>
<b>Data Planning.....</b>	<b>5</b>
<b>Wireframes &amp; UI/UX Considerations.....</b>	<b>7</b>

## Client Conceptualisation & Problem Statement

As many of us lead very busy lives, we are not always provided with the opportunity to visit the burial sites of our loved ones. Even then the act of finding said site can oftentimes prove to be rather difficult without the assistance of other relatives, who are not always busy and may too also pass on at any moment. That is where Memento Mori comes in.

The purpose of Memento Mori is to provide people with a one-stop repository for all of the information related to a deceased loved one such as their location of burial.

## System Architecture



*System design diagram*

For this project I will be making use of the following technologies in order to achieve an architecture similar to the diagram above:

- React: A front end framework that allows for the use of reusable components to expedite front end development and allow for more responsive designs.
- Node.js: A development environment that allows for the local hosting of websites for testing purposes.
- Express: A back end framework that allows for the easy creation of api endpoints from a database.
- MySQL: A software that allows for the creation of SQL databases.

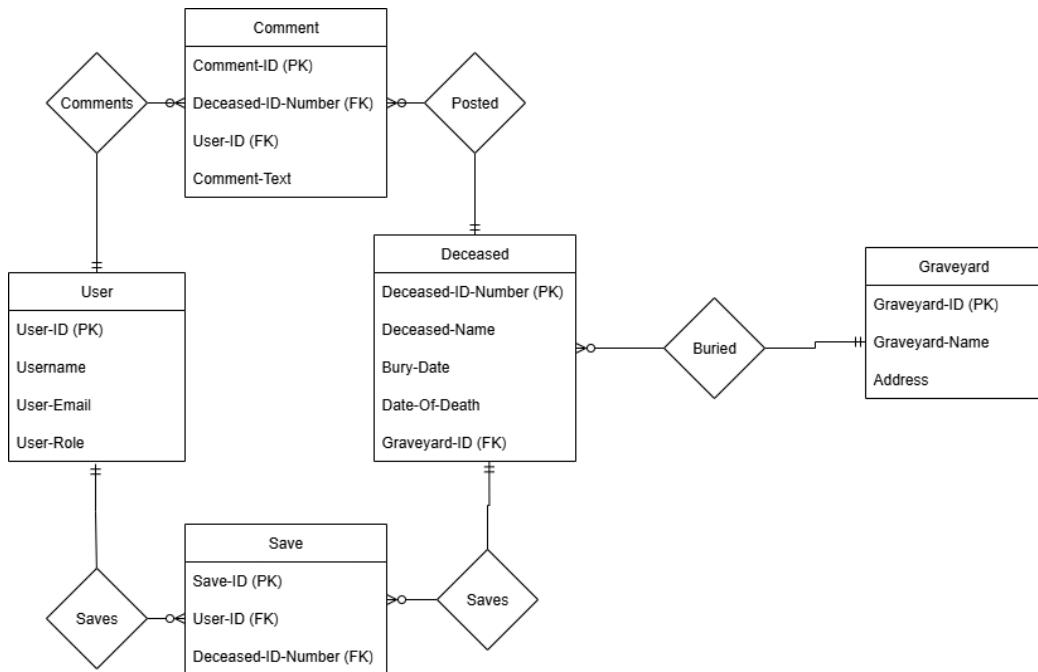
## Feature Requirements & Scope

For this project the scope primarily pertains to the CRUD manipulation of deceased peoples and their graveyards. This includes: searching for people and graveyards, saving a person's information to your account, commenting on a person and graveyard, adding items to the database and removing said data.

For the website, users will be split into roles in order to maintain access control over the website and its database. These roles will include:

- Default user: This user role will act as the default user. The primary purpose of this user is to save information relating to a deceased person, comment on a deceased person's page and flag inaccuracies related to a deceased person.
- Contributor: This user role can be obtained by any user. These users will be able to add and/or update information related to a deceased person. All changes to the database made by contributors will initially be held for review by admins.
- Admin: This user role will have access to all of the permissions of all the other roles on top of being able to moderate any and all information across the website.

## Data Planning



User - The entity relating to a user. It is used to maintain access control.

Parameter	Data Type	Description
User-ID	int	An unique identifier to act as the user's primary key
Username	string	The user's display name on the website
User-Email	string	The email attached to the user's account
User-Role	string	A variable meant to contain one of three possible titles (user, contributor and admin). This is used to maintain access control.

Comment - Information related to a comment.

Parameter	Data Type	Description
Comment-ID	int	An unique identifier to act as the comment's primary key
Deceased-ID-Number	string	A foreign key related to which grave the comment is written for
User-ID	int	A foreign key related to which user wrote the comment
Comment-Text	string	The actual plaintext message of the comment

Deceased - Information related to a deceased person

Parameter	Data Type	Description
Deceased-ID-Number	string	The national identification number assigned to the deceased at birth
Deceased-Name	string	The name of the deceased
Bury-Date	date	The date on which the deceased was buried
Date-Of-Death	date	The date on which the deceased had died
Graveyard-ID	int	The identification number of the graveyard in which the deceased was buried

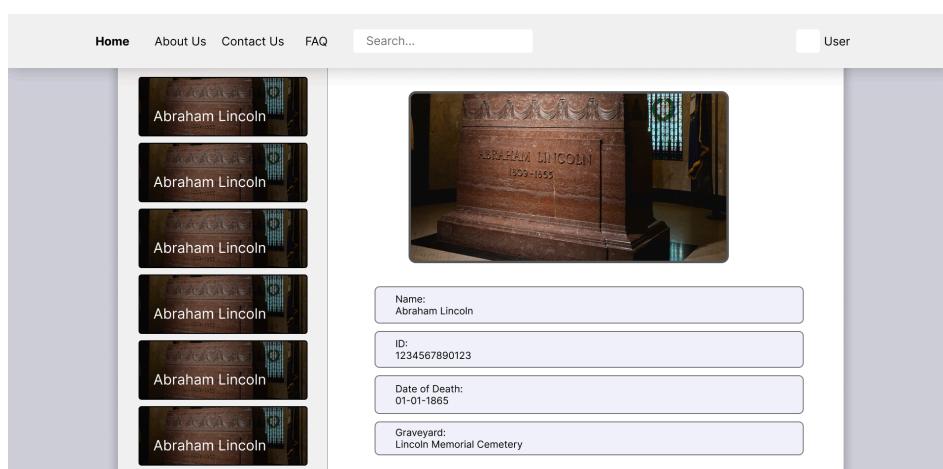
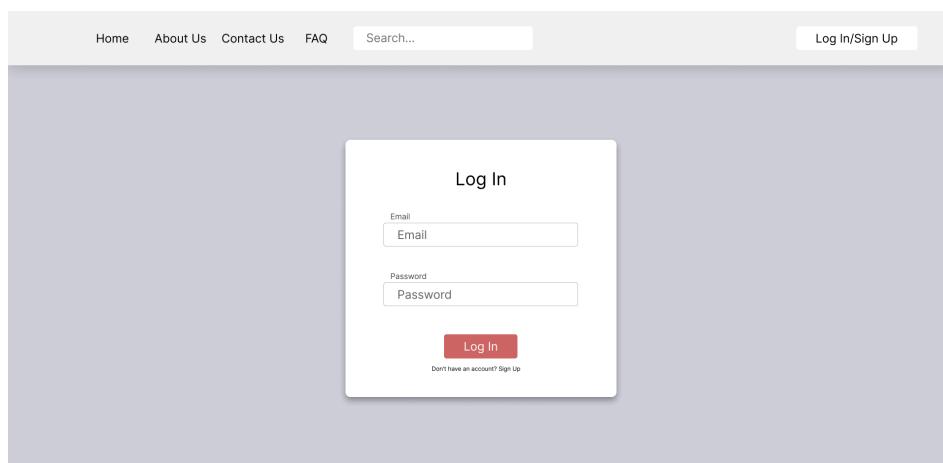
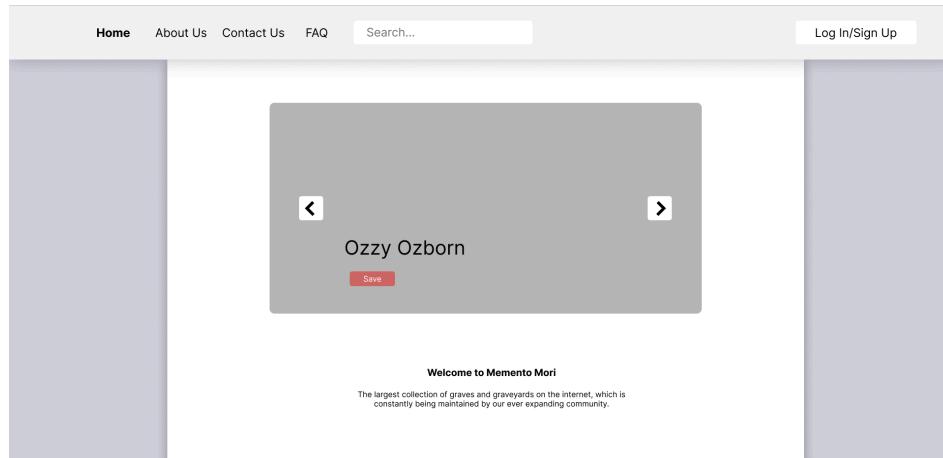
Save - Entity used to hold which graves are saved by which user

Parameter	Data Type	Description
Save-ID	int	The national identification number assigned to the deceased at birth
Deceased-ID-Number	string	The name of the deceased
User-ID	int	The date on which the deceased was buried

#### Graveyard - Information related to a graveyard

Parameter	Data Type	Description
Graveyard-ID	int	An unique identifier to act as the graveyard's primary key
Graveyard-Name	string	The name of the graveyard
Address	object	Object containing information in relation to the graveyard's location

## Wireframes & UI/UX Considerations



Home   About Us   Contact Us   FAQ    User

### Search Results: Lincoln



Abraham Lincoln



Lincoln Memorial...

Home   About Us   Contact Us   FAQ   Contribute    User



Abraham Lincoln



Abraham Lincoln



Abraham Lincoln



Abraham Lincoln



Abraham Lincoln



Abraham Lincoln





Name:  
Abraham Lincoln

ID:  
1234567890123

Date of Death:  
01-01-1865

Graveyard:  
Lincoln Memorial Cemetery

Home   About Us   Contact Us   FAQ   **Contribute**    User

[Grave](#)   [Graveyard](#)



Deceased's Name

Deceased's ID #

Date of Death

Date of Burial

Graveyard

Home About Us Contact Us FAQ Search... User

Name: Abraham Lincoln

ID: 1234567890123

Date of Death: 01-01-1865

Graveyard: Lincoln Memorial Cemetery

Save Grave Report

Comment....

Home About Us Contact Us FAQ Search... User

### Lincoln Memorial Cemetery

Abraham Lincoln

Comment....

Home About Us Contact Us FAQ Contribute Audit Search... User

Abraham Lincoln

Abraham Lincoln

Abraham Lincoln

Abraham Lincoln

Abraham Lincoln

Abraham Lincoln

Name: Abraham Lincoln

ID: 1234567890123

Date of Death: 01-01-1865

Graveyard: Lincoln Memorial Cemetery

Home About Us Contact Us FAQ Contribute Audit Search... User

Name: Abraham Lincoln

ID: 1234567890123

Date of Death: 01-01-1865

Graveyard: Lincoln Memorial Cemetery

Accept Reject