

# Milestone 2

*More Detailed Requirements, Specs, Architecture, UI mock-ups and  
vertical SW prototype*

*By Team 2*

Global Distributed Software Development,

Winter Semester 23/24,

Fulda University of Applied Sciences,

Department of Applied Computer Science.

{ “*project\_name*” : “*MediaMajesty*” }

## **Team 2**

Team Lead:	Abbas Abbas; Email: <a href="mailto:abbas.abbas@informatik.hs-fulda.de">abbas.abbas@informatik.hs-fulda.de</a>
GitHub Master:	Shinu Donney
Frontend Lead:	Achraf Boudabous
Backend Lead:	Shifali Kalra
Fronted:	Duru Yilmaz
Backend:	Anwer Al-Dhify

## **Milestone 2**

More Detailed Requirements, Specs, Architecture, UI mock-ups  
and vertical SW prototype

*Submitted on 03.12.2023*



## Table of Contents

<b>MILESTONE 2</b> .....	<b>2</b>
<b>MORE DETAILED REQUIREMENTS, SPECS, ARCHITECTURE, UI MOCK-UPS AND VERTICAL SW PROTOTYPE</b> .....	<b>2</b>
<b>EXECUTIVE SUMMARY:</b> .....	<b>4</b>
WHY FUND MEDIA MAJESTY?.....	4
Key Advantages and Novelty:.....	4
About Our Team:.....	4
<b>PERSONAS AND MAIN USE CASES:</b> .....	<b>5</b>
PERSONAS:.....	5
MAIN USE CASES:.....	6
<b>LIST OF MAIN DATA ITEMS AND ENTITIES:</b> .....	<b>7</b>
<b>FUNCTIONAL REQUIREMENTS – PRIORITIZED:</b> .....	<b>9</b>
<b>LIST OF NON-FUNCTIONAL REQUIREMENTS:</b> .....	<b>12</b>
<b>UI MOCKUPS AND STORYBOARDS (HIGH LEVEL ONLY):</b> .....	<b>13</b>
MOCKUPS:.....	13
STORYBOARDS:.....	17
<b>HIGH LEVEL ARCHITECTURE, DATABASE ORGANIZATION:</b> .....	<b>29</b>
SOFTWARE STACK:.....	29
ADDITIONAL TECHNOLOGIES:.....	29
PROPOSED DATABASE ORGANIZATION:.....	29
<b>HIGH LEVEL UML DIAGRAMS:</b> .....	<b>30</b>
DESCRIPTION OF THE CLASSES:.....	30
<b>IDENTIFY ACTUAL KEY RISKS FOR YOUR PROJECT AT THIS TIME:</b> .....	<b>31</b>
<b>COMPETITIVE ANALYSIS:</b> .....	<b>31</b>
PLANNED ADVANTAGES:.....	31
<b>PROJECT MANAGEMENT:</b> .....	<b>32</b>
TASK ASSIGNMENT AND TRACKING:.....	32
<b>TEAM MEMBERS AND ROLES:</b> .....	<b>32</b>
<b>APPENDIX I – FORM TO BE FILLED OUT AND INCLUDED IN E-MAIL BODY FOR M2 VERTICAL PROTOTYPE DELIVERY</b> .....	<b>33</b>
MILESTONE 2 VERTICAL PROTOTYPE FORM TEAM NUMBER 2.....	33



## **Executive Summary:**

MediaMajesty is an innovative web-based service developed by a dedicated team of 6 students, aimed at enhancing the academic and creative experience of Fulda University students and faculty. Our platform serves as a centralized hub for the Fulda community to seamlessly buy, sell, or share a wide range of digital media, including images, music, videos, and graphics. The primary objective of MediaMajesty is to foster collaboration, knowledge exchange, and creativity among our users.

### **Why fund MediaMajesty?**

In today's fast-paced digital world, sharing and accessing high-quality digital media resources are critical for students and faculty to excel in their academic and creative pursuits.

MediaMajesty addresses this need by providing a user-friendly platform tailored to the specific requirements of Fulda University. We envision this platform as a catalyst for collaboration, innovation, and efficient resource utilization.

### **Key Advantages and Novelty:**

MediaMajesty distinguishes itself in several ways:

- **Tailored to Fulda:** Unlike generic digital media platforms, MediaMajesty is exclusively available to Fulda students and faculty. This exclusivity ensures a trusted and closely-knit community for sharing and accessing resources.
- **Safe and Moderated Environment:** To maintain the integrity of the platform, an administrator will oversee every media item, ensuring compliance with community guidelines and eliminating inappropriate content.
- **Free and Secure:** MediaMajesty prioritizes the security of media owners. Users can post items for sale or free use, allowing them to control access and engage with potential buyers securely.
- **User-Friendly Interface:** Our platform is designed for individuals of all technical backgrounds, making it accessible to a broad audience.

### **About Our Team:**

MediaMajesty is the brainchild of a passionate and diverse team of Fulda University students. Our team comprises individuals with varied expertise, from computer science to design, software engineering, and much more. We are committed to building a secure and user-friendly platform that will empower Fulda students and faculty in their academic and creative endeavors. Our dedication and collective vision drive this project forward.

In conclusion, MediaMajesty is more than just a digital media marketplace; it's a community-driven initiative that fosters collaboration, creativity, and resource-sharing within

Fulda University. We seek your support to bring this innovative platform to life, making a positive impact on the Fulda academic community and beyond.

## **Personas and Main Use Cases:**

### **Personas:**

#### 1. Student Sam:

Characteristics: Undergraduate student, tech-savvy, active social media user.

Goals: Sam wants to easily find and share digital media resources for their coursework and creative projects. Sam hopes to connect with other students and faculty for collaboration and resource exchange.

Skills: Proficient in using web applications and social media platforms.

Pain Points: Sam struggles to find high-quality, Fulda-specific digital resources for their projects, and they are concerned about the authenticity and legality of downloaded content.

#### 2. Faculty Member Fiona:

Characteristics: Fulda University professor, experienced in their field, limited tech expertise.

Goals: Fiona seeks a platform that simplifies the process of sharing class materials, research findings, and educational resources with their students. They aim to foster an engaging and collaborative learning environment.

Skills: Limited technical skills, comfortable with basic computer operations.

Pain Points: Fiona finds it challenging to share and manage digital resources within a secure and university-specific environment, often facing copyright and accessibility issues.

#### 3. Media Creator Max:

Characteristics: Aspiring artist, photographer, or musician, passionate about their craft.

Goals: Max wants to showcase and sell their creative digital media to a local and supportive community. They aim to generate income and build a network of customers.

Skills: Proficient in creating digital media but may lack experience in online marketing and sales.

Pain Points: Max finds it difficult to connect with potential buyers and lacks a secure platform to sell their digital media without the risk of copyright infringement.

#### 4. Admin/Administrator Alice:

Characteristics: University staff member responsible for platform moderation.



Goals: Alice is tasked with ensuring the platform's content adheres to the university's guidelines, maintains a safe and secure environment for all users, and resolves disputes or issues that may arise.

Skills: Proficient in platform administration, content moderation, and community management.

Pain Points: Alice's challenges include handling disputes and ensuring that only authorized users gain access to the platform.

### **Main Use Cases:**

Use Case 1: Student Sam Finds and Downloads Digital Resources (Title: "Resource Discovery")

Sam logs into MediaMajesty, enters relevant search criteria, and discovers a selection of digital media resources uploaded by peers and faculty. Sam browses the content, selects a resource, and downloads it in full resolution, facilitating the completion of an assignment. The platform's user-friendly design makes it easy for Sam to find and access resources.

Use Case 2: Faculty Member Fiona Shares Class Materials (Title: "Classroom Collaboration")

Fiona, a professor at Fulda University, logs into MediaMajesty. She uploads lecture slides, study materials, and additional resources for her students to access. Fiona uses the platform to facilitate seamless communication with her students, ensuring all necessary materials are readily available, improving the learning experience.

Use Case 3: Media Creator Max Sells Digital Artwork (Title: "Creative Marketplace")

Max, an aspiring artist, wants to sell their digital artwork. Max registers on MediaMajesty, uploads their artwork, sets a selling price, and provides descriptions. A fellow student or faculty member discovers Max's artwork, agrees to the purchase terms, and buys the digital media, empowering Max to monetize their talent.

Use Case 4: Admin Alice Ensures Platform Compliance (Title: "Moderation and Content Oversight")

Alice, the platform administrator, logs into MediaMajesty to oversee and approve new media uploads. She ensures that all uploaded content complies with university guidelines and resolves any disputes or inappropriate items. Alice's active involvement in the moderation process ensures a safe and secure environment for all users, maintaining the platform's integrity.

Use Case 5: Guest Explorer Grace Explores MediaMajesty (Title: "Guest Exploration")

Grace, an external visitor without a MediaMajesty account, visits the platform out of curiosity. As a guest user, she can browse through a limited selection of public resources and get a glimpse of the diverse content available. While unable to download or contribute without an

account, this use case allows potential users to preview the platform's offerings and functionality, potentially encouraging them to create an account for full access in the future.

## **List of main data items and entities:**

1. User Profiles: User profiles represent the information about registered individuals using MediaMajesty, including students, faculty, and administrators.

- Sub-items:
  - ✓ Username: The chosen name that identifies a user on MediaMajesty.
  - ✓ Email Address: The unique email associated with a user's account.
  - ✓ Password: Encrypted information allowing user access.
  - ✓ Profile Picture: Image chosen by the user to represent their identity.
  - ✓ Bio: A brief description provided by the user about themselves.
  - ✓ Role: Indicates whether the user is a student, faculty, or administrator.

2. Media Items: Media items represent digital content uploaded by users for sharing, selling, or viewing.

- Sub-items:
  - ✓ File: The actual digital content (image, video, audio, etc.).
  - ✓ Title: The name given to the media item.
  - ✓ Description: A summary or details about the media item.
  - ✓ Tags: Keywords associated with the media item for searchability.
  - ✓ Upload Date: The date and time when the media item were uploaded.
  - ✓ Views: The number of times the media item has been accessed.

3. Messaging System: The messaging system is a feature that enables users to communicate with each other.

- Sub-items:
  - ✓ Conversations: Threads of messages between users.
  - ✓ Participants: Users involved in a particular conversation.

- ✓ Timestamps: Indicates when each message was sent.
- ✓ Attachments: Option to share media items within messages.

4. Admin Controls: Admin controls refer to the functionality used by the platform administrator to manage user accounts, uploaded media, and resolve disputes.

- Sub-items:
  - ✓ User Management: Tools for creating, modifying, or deleting user accounts.
  - ✓ Media Moderation: Features to monitor and manage uploaded media content.
  - ✓ Dispute Resolution: System for resolving conflicts reported by users.
  - ✓ Access Logs: Records of administrative activities within the platform.

5. Terms and Conditions: Terms and Conditions outline the rules and guidelines for using MediaMajesty.

- Sub-items:
  - ✓ Acceptance: User agreement to adhere to platform rules.
  - ✓ Privacy Policy: Guidelines on how user data is collected and used.
  - ✓ Code of Conduct: Defines acceptable behavior on the platform.
  - ✓ Dispute Resolution: Procedures for handling conflicts between users.

6. User Privileges: User privileges define the actions and access rights available to different user types (Student, Faculty, Admin).

- Sub-items:
  - ✓ Upload Permissions: Determines who can upload media items.
  - ✓ Access Levels: Defines the scope of features accessible to different user roles.
  - ✓ Account Management: Specifies actions users can take regarding their accounts.
  - ✓ Reporting: Ability to report inappropriate content or behavior.

7. Search Queries: Search queries are user-generated requests for specific media items.

- Sub-items:
  - ✓ Keywords: Terms entered by users to find specific content.



- ✓ Filters: Options to refine search results (e.g., by date, type, popularity).
- ✓ Search History: Records of past user searches.

8. Accessibility Settings: Accessibility settings allow users to customize their experience, such as text size and screen reader compatibility.

- Sub-items:
  - ✓ Text Size: Options for adjusting the size of text on the platform.
  - ✓ Color Contrast: Settings to enhance visibility for users with visual impairments.
  - ✓ Screen Reader Compatibility: Features to improve accessibility for screen reader users.
  - ✓ Keyboard Shortcuts: Quick commands for users with mobility challenges.

These key data items and entities form the foundation of MediaMajesty, shaping user interactions and defining the structure of the platform's database and user interface. Consistent use of these terms will guide the development and design process.

## **Functional requirements – prioritized:**

<b>Requirement ID</b>	<b>FR-01</b>
<b>Title</b>	User Registration
<b>Priority</b>	1
<b>Description</b>	Users can create accounts with their name, email, and password. User type selection is mandatory during registration.

<b>Requirement ID</b>	<b>FR-02</b>
<b>Title</b>	User Login
<b>Priority</b>	1
<b>Description</b>	Registered users can log in with their credentials to access the platform



<b>Requirement ID</b>	<b>FR-03</b>
<b>Title</b>	Media Upload
<b>Priority</b>	1
<b>Description</b>	Users can upload digital media items, providing details like title, description, type, and resolution.
<b>Requirement ID</b>	<b>FR-04</b>
<b>Title</b>	Media Search and Discovery
<b>Priority</b>	1
<b>Description</b>	Users can search for media items based on keywords, type, and other filters.
<b>Requirement ID</b>	<b>FR-05</b>
<b>Title</b>	Messaging System
<b>Priority</b>	1
<b>Description</b>	Users can communicate with each other through a messaging system to discuss media items and transactions.
<b>Requirement ID</b>	<b>FR-06</b>
<b>Title</b>	User Profile Management
<b>Priority</b>	1
<b>Description</b>	Users can edit their profiles, update personal information, and change settings.
<b>Requirement ID</b>	<b>FR-07</b>
<b>Title</b>	Content Moderation
<b>Priority</b>	1
<b>Description</b>	The administrator can review and approve media items, as well as remove inappropriate content.
<b>Requirement ID</b>	<b>FR-08</b>
<b>Title</b>	Version Control
<b>Priority</b>	1
<b>Description</b>	Users can upload updated versions of their media items, with the platform maintaining a version history for each item.
<b>Requirement ID</b>	<b>FR-09</b>
<b>Title</b>	User Privilege Assignment
<b>Priority</b>	1



**Description**

Admins have the ability to assign and adjust users roles based on their responsibilities on the platform.

**Requirement ID**

**FR-10**

**Title**

User Authentication

**Priority**

1

**Description**

Users prompted to reset their passwords if forgotten

**Requirement ID**

**FR-11**

**Title**

Resolution Control

**Priority**

2

**Description**

Access to full-resolution media items is only granted after users agree on terms (purchase or free use).

**Requirement ID**

FR-12

**Title**

User Privilege Management

**Priority**

2

**Description**

The administrator can assign roles and privileges to users based on their type and responsibilities.

**Requirement ID**

**FR-13**

**Title**

User Feedback and Rating

**Priority**

2

**Description**

Users can provide feedback and ratings for media items and other users to build trust.

**Requirement ID**

**FR-14**

**Title**

Reporting System

**Priority**

2

**Description**

Users can report inappropriate content or issues, triggering action by the platform administrator

**Requirement ID**

**FR-15**

**Title**

Categorization

**Priority**

2

**Description**

Users can organize, and filter content based on predefined categories.

**Requirement ID**

**FR-16**

**Title**

Privacy Control



<b>Priority</b>	2
<b>Description</b>	Users can set privacy settings for each media Item, choosing between public, private and shared with specific users.
<b>Requirement ID</b>	<b>FR-17</b>
<b>Title</b>	Users Onboarding Tutorials
<b>Priority</b>	2
<b>Description</b>	New users receive steps by steps tutorials highlighting the key features.
<b>Requirement ID</b>	<b>FR-18</b>
<b>Title</b>	Creative Marketplace Features
<b>Priority</b>	2
<b>Description</b>	Media creators can set prices for their digital media items. And users can view a list of media items available for sale in a dedicated "Marketplace" section
<b>Requirement ID</b>	<b>FR-19</b>
<b>Title</b>	Terms and Conditions Acceptance
<b>Priority</b>	3
<b>Description</b>	Users must agree to the platform's terms and conditions during registration.
<b>Requirement ID</b>	<b>FR-20</b>
<b>Title</b>	Emergency response
<b>Priority</b>	3
<b>Description</b>	Admins have a feature to respond quickly to emergency situations, such as handling harmful or inappropriate content.

## **List of non-Functional requirements:**

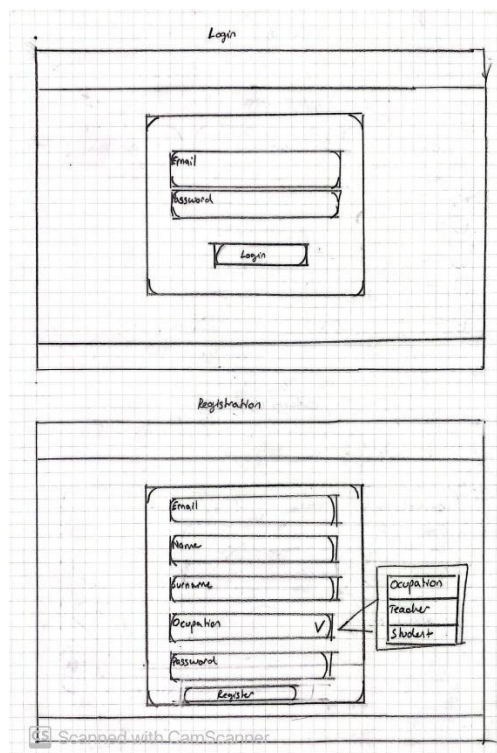
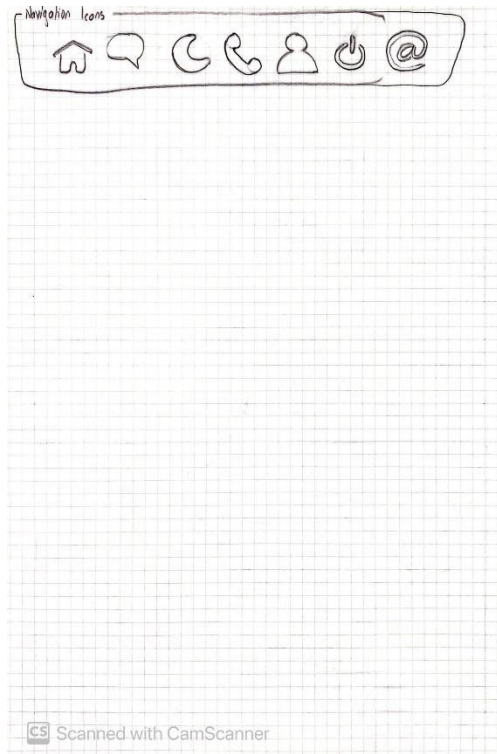
- Application shall be developed, tested and deployed using tools and servers approved by Class CTO and as agreed in Milestone 0. Application delivery shall be from chosen cloud server.
- Application shall be optimized for standard desktop/laptop browsers e.g., must render correctly on the two latest versions of two major browsers.
- All our selected application functions must render well on mobile devices.
- Data shall be stored in the database on the team's deployment cloud server.

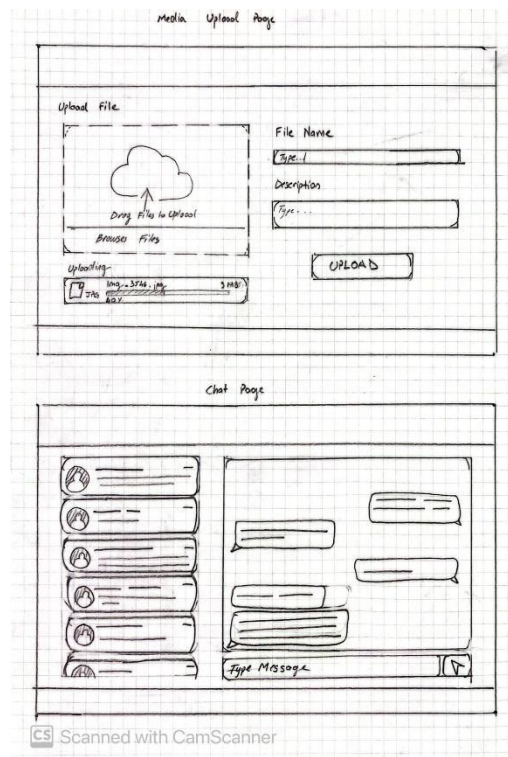
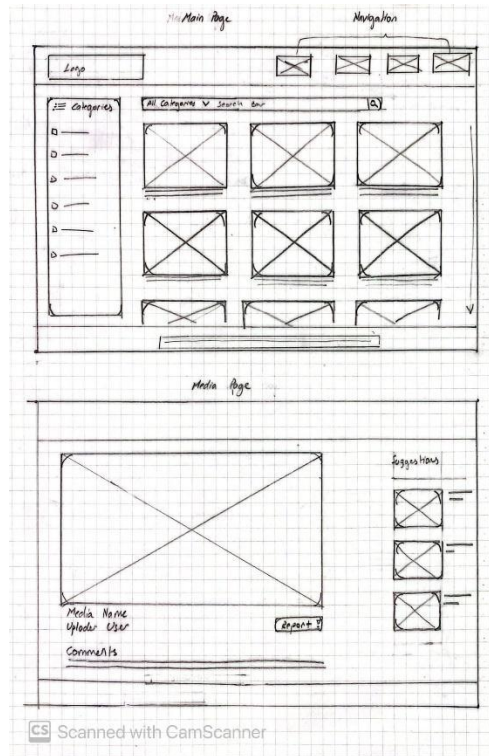


- Full resolution free media shall be downloadable directly, and full resolution media for selling shall be obtained after contacting the seller/owner.
- No more than 50 concurrent users shall be accessing the application at any time.
- Privacy of users shall be protected, and all privacy policies will be appropriately communicated to the users.
- The language used shall be English (no localization needed)
- Application shall be very easy to use and intuitive.
- Application should follow established architecture patterns.
- Application code and its repository shall be easy to inspect and maintain.
- Google analytics shall be used (optional for Fulda teams)
- No email clients shall be allowed.
- Pay functionality, if any (e.g., paying for goods and services) shall not be implemented nor simulated in UI.
- Site security: basic best practices shall be applied (as covered in the class) for main data items.
- Application shall be media rich (images, video etc.). Media formats shall be standard as used in the market today.
- Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development.
- For code development and management, as well as documentation like formal milestones required in the class, each team shall use their own GitHub to be set-up by class instructors and started by each team during Milestone 0
- The application UI (WWW and mobile) shall prominently display the following exact text on all pages "Fulda University of Applied Sciences Software Engineering Project, Fall 2023 For Demonstration Only" at the top of the WWW page. (Important to not confuse this with a real application).

## **UI Mockups and Storyboards (high level only):**

### **Mockups:**







Admin Dashboard → Admin

- Users
- Medien
- 
-

Bulk Actions
Filter
Sort By
View


Admin Login

Email
Password

Login

Scanned with CamScanner

About Us

### ABOUT US

Our Team

Name	
Misc-Nr	

Our Mission

Our Vision

Contact Us

Contact Form

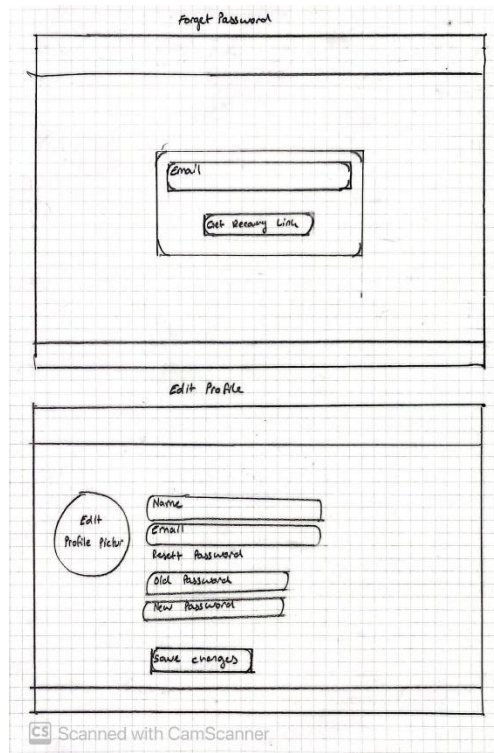
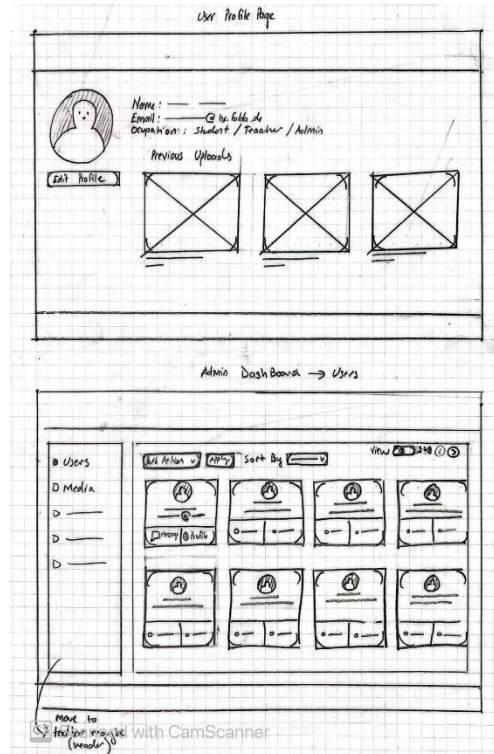
Email
Title
Name

Message Description

Submit

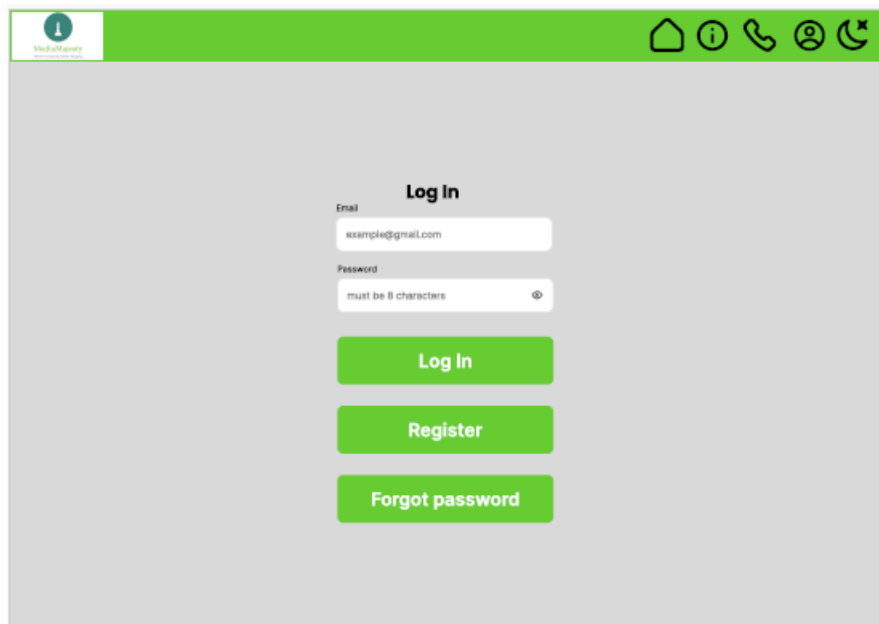
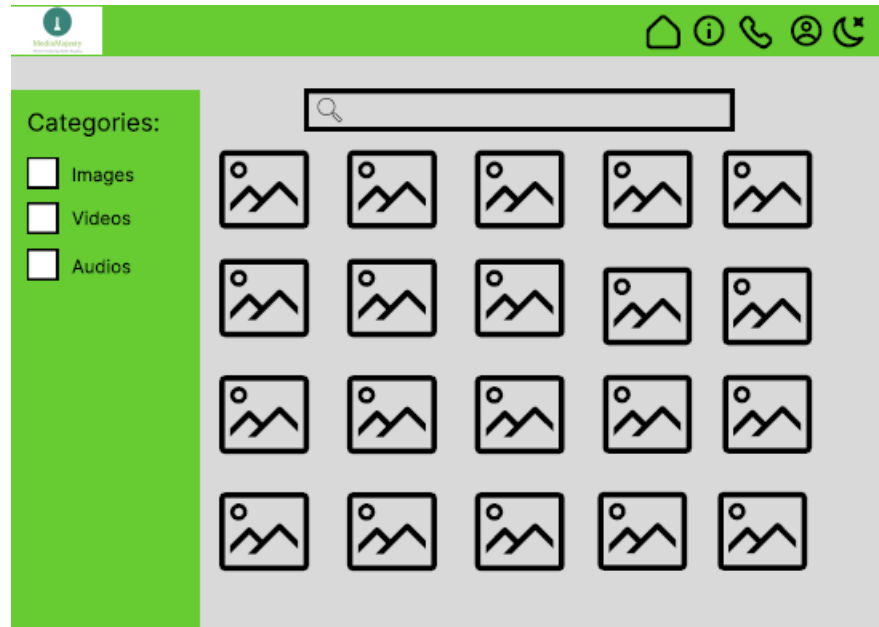
Scanned with CamScanner





## Storyboards:

## Guest view:





**Sign up**

Name  
Alex

Last Name  
Jhon

Email  
example@gmail.com

Phone number  
12345678

Create a password  
must be 8 characters

**Sign Up**

**Log In**

**Contact Information**  
Say something to start a chat!

004917685699

demo@gmail.com

FULDA

First Name

Last Name

Email

Phone Number


**Select Subject?**

☒ General Inquiry ☐ General Inquiry ☐ General Inquiry ☐ General Inquiry






Message  
Write your message...

**Send Message**





MediMastery  
Healthcare Solutions



### Reset Your Password

Email

Get Recovery Link



MediMastery  
Healthcare Solutions



#### Our Team

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

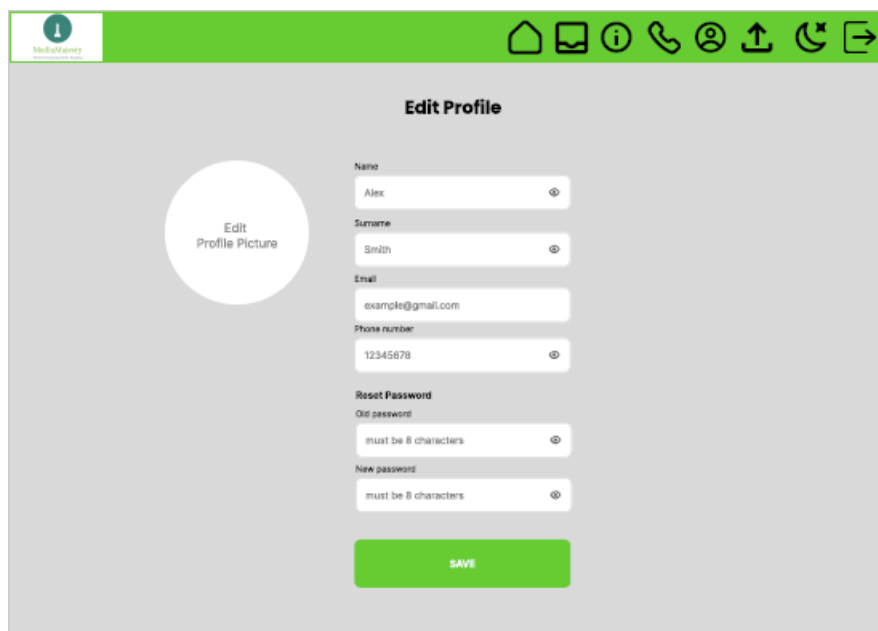
#### Our Vision

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

#### Our Mission

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

User view:





### Our Team

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

### Our Vision

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

### Our Mission

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

### Contact Information

Say something to start a chat!

00497585699

demo@gmail.com

FULDA

First Name

Last Name

Email

Phone Number

Select Subject?


General Inquiry General Inquiry General Inquiry General Inquiry









Message


Write your message.

Send Message









Name

Alex

Email















example@gmail.com


Phone number









12345678


Edit Profile

Previous Uploads:








Drag Files to Upload

Browse Files



0

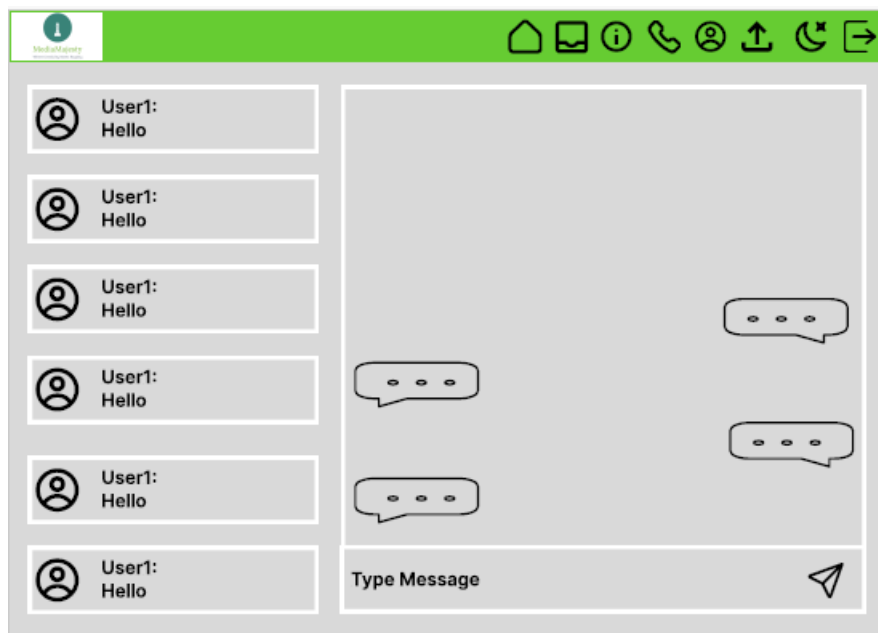
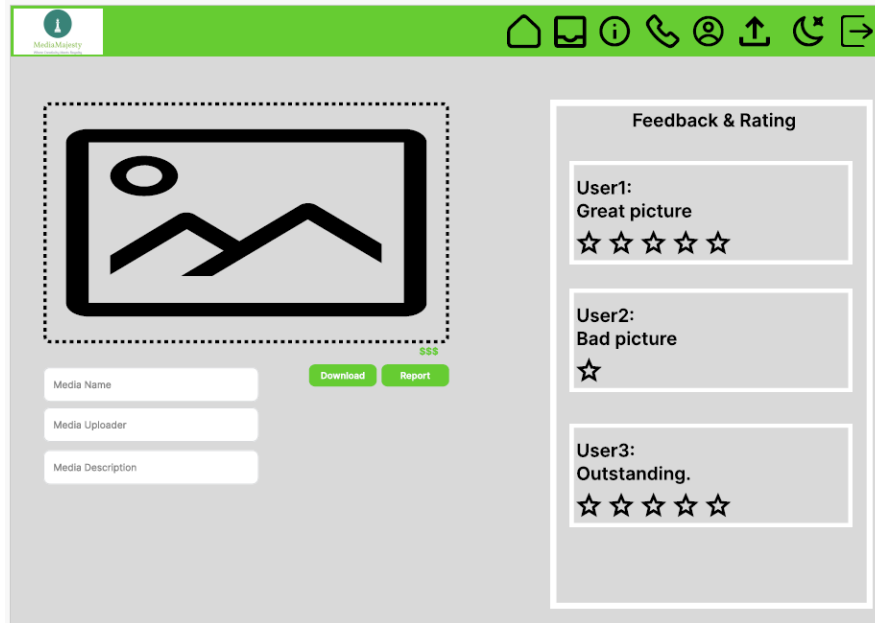
File Name

AlexPicture.jpg

Description

Media Description

SAVE



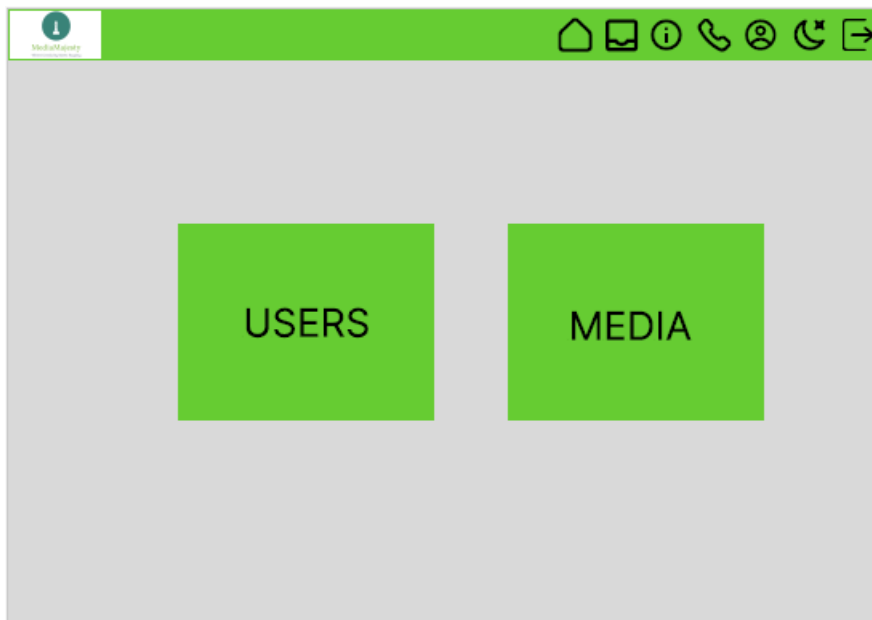


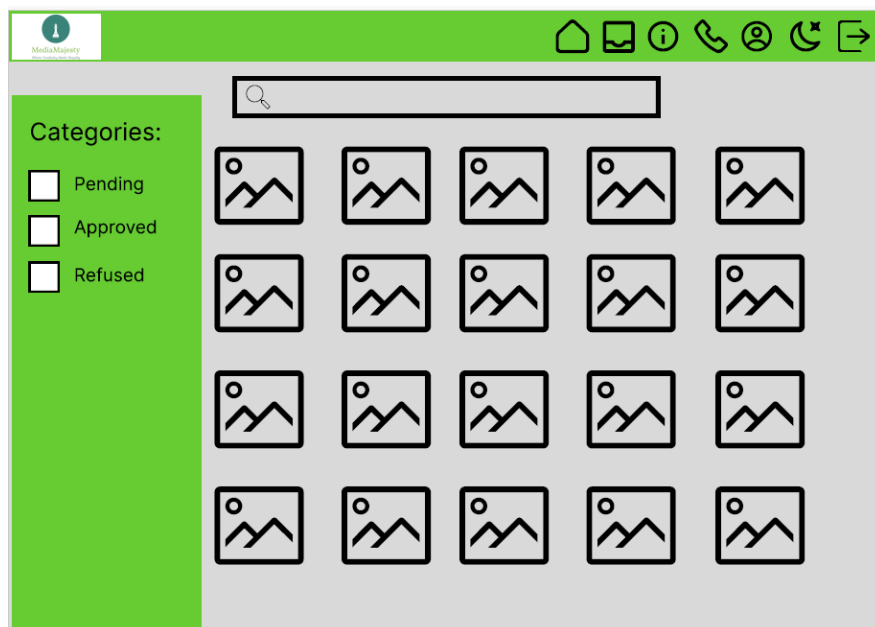
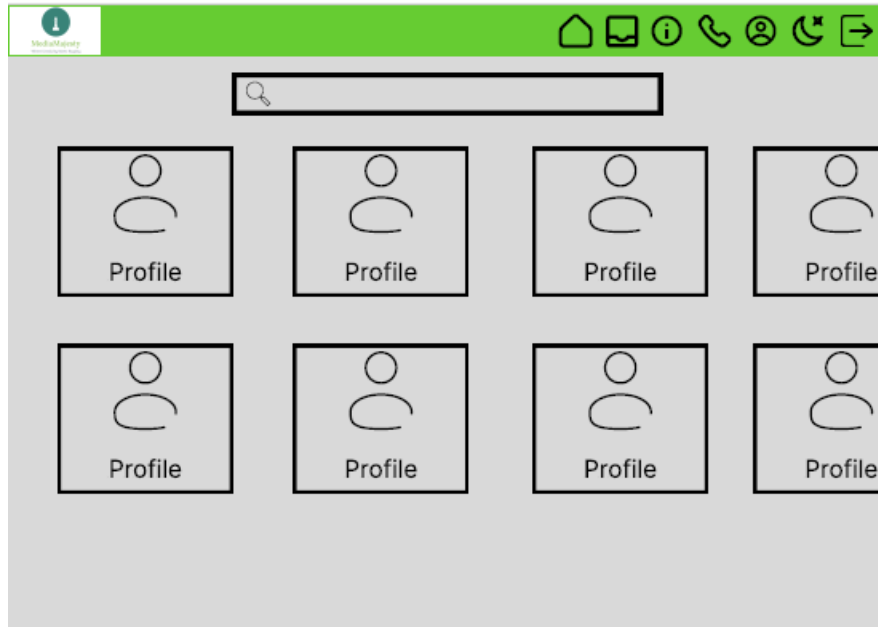


Admin view:



The screenshot shows the 'Admin Log In' screen of the MediaMastery application. At the top, there is a green header bar with the MediaMastery logo on the left and a set of navigation icons (home, info, phone, user, moon, and a right arrow) on the right. The main content area has a light gray background. In the center, the text 'Admin Log In' is displayed. Below it, there are two input fields: 'Email' with the placeholder 'example@gmail.com' and 'Password' with a hint 'must be 8 characters' and a toggle icon. A green 'Log In' button is positioned below the password field.







Name

Email

Phone number

Delete user

Previous Uploads:

Media Name

Media Uploader

Media Description

Download

Report

Feedback & Rating

User1:

Great picture

☆☆☆☆☆

User2:

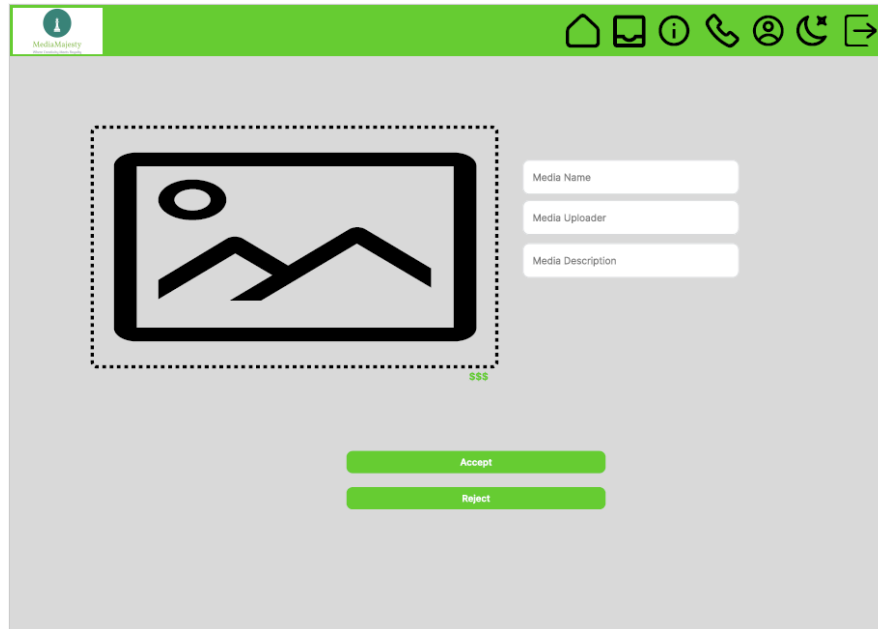
Bad picture

☆

User3:

Outstanding.

☆☆☆☆☆



## **High level Architecture, Database Organization:**

### **Software stack:**

Sever Host: Azure virtual machine Standard B1ms

Operating System: Ubuntu 22.04

Database: MySQL version 8.2.0

Web Server: NGINX 1.24.0

Server-Side Language: Python

Client-Side Language: JavaScript(Angular)

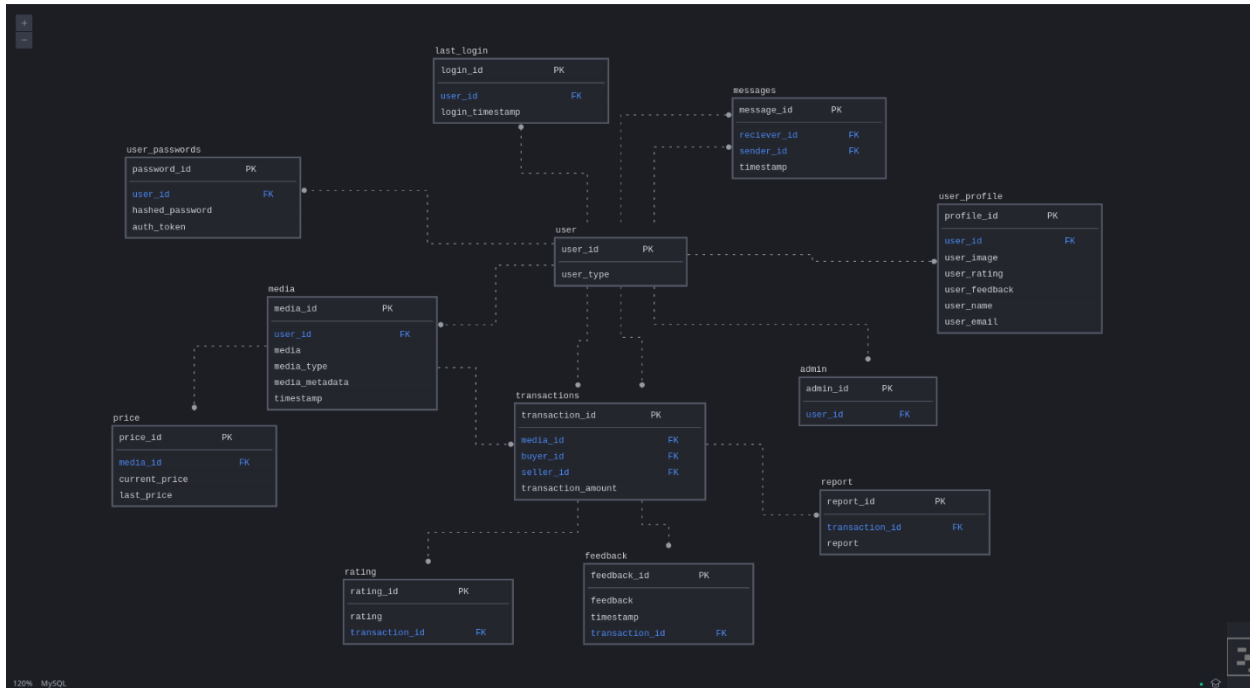
### **Additional Technologies:**

Web Frameworks: Django, Angular

IDE: VSCode, NeoVim, PyCharm

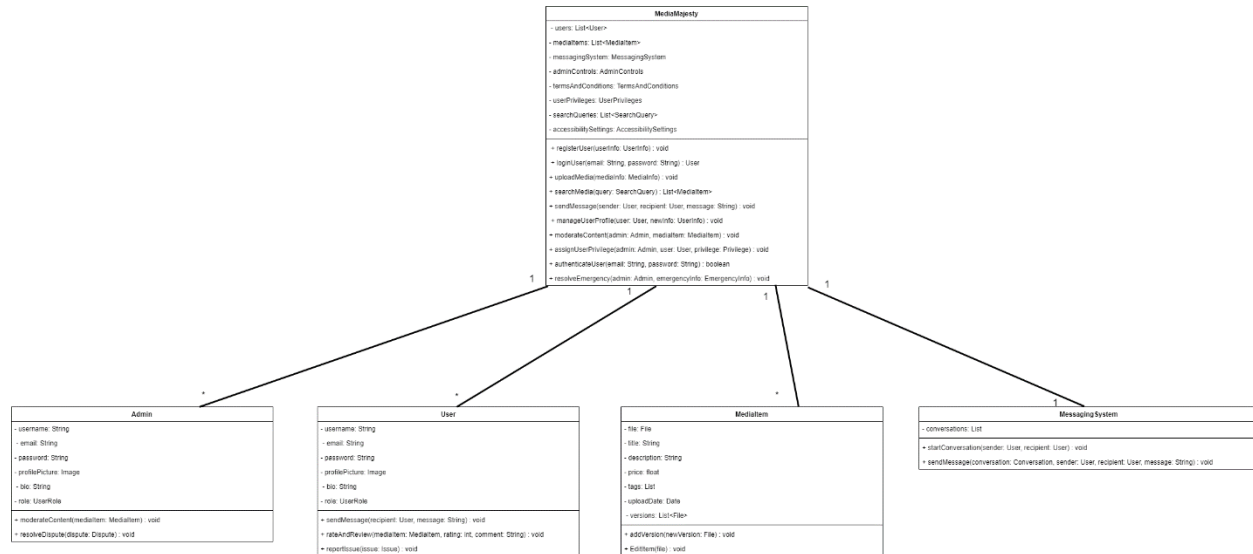
SSL Cert: Lets Encrypt (Cert Bot)

## Proposed database organization:



## High Level UML Diagrams:

Class diagram is one of the static structure diagrams that shows the main entities of the projects and how they communicate with each other. It is designed for the whole system to give an overview of the attributes of the main entities and the relationships between them.



## Description of the classes:

The **MediaMajesty** class represents the main platform for the MediaMajesty system. It serves as a centralized hub for Fulda University students and faculty to buy, sell, or share digital media. This class manages users, digital media items, messaging systems, administrative controls, terms and conditions, user privileges, search queries, and accessibility settings.

The **User** class represents individuals registered on the MediaMajesty platform. Users, including students and faculty, have profiles with attributes such as username, email, password, profile picture, bio, and role. Users can interact with the platform by sending messages, providing ratings and reviews, and reporting issues.

The **Admin** class represents administrators responsible for overseeing the platform. Admins have profiles like users but possess additional responsibilities, including moderating content, resolving disputes, and managing the platform's integrity.

The **Mediatem** class represents digital media items uploaded by users on the platform. It includes attributes such as the media file, title, description, tags, upload date, and a version history. Users can upload, update, and manage their digital media items using this class.

The **MessagingSystem** class represents the messaging system within MediaMajesty. It manages user conversations and facilitates communication between users. Users can start conversations, send messages, and share media items through this system.

## Identify actual key risks for your project at this time:

- Skills risks (do you have the right skills)
- Schedule risks (can you make it given what you committed and the resources)

- Technical risks (any technical unknowns to solve)
- Teamwork risks (any issues related to teamwork)
  - ✓ Risk: Potential communication gaps between the development and design teams.
  - ✓ Solution: Implement a robust communication plan, including regular team meetings and status updates. Encourage an open dialogue to address concerns promptly.
- Legal/content risks (can you obtain content/SW you need legally with proper licensing, copyright).
  - ✓ Risk: Users might upload content that infringes copyright laws, leading to legal complications for MediaMajesty.
  - ✓ Solution: Implement a robust content moderation system to scan and flag potentially copyrighted material. Clearly communicate copyright policies to users and provide mechanisms for reporting and resolving copyright concerns. Regularly update the moderation system to adapt to evolving copyright regulations.

## **Competitive analysis:**

Feature	Behance	Dribbble	Etsy	MediaMajesty
Media Upload	Yes	Yes	Yes (digital)	Yes
Messaging System	Yes	Yes	Yes	Yes
Resolution Control	No	No	No	Yes
Content Moderation	Limited	Yes	Limited	Yes
User Privilege Management	No	No	No	Yes

## **Planned Advantages:**

MediaMajesty distinguishes itself by catering specifically to the Fulda University community, offering a platform where students and faculty can share and access digital media. It provides unique features like resolution control, enabling users to regulate access to high-resolution media. It also includes robust content moderation to maintain a secure environment, which some competitors lack. Furthermore, MediaMajesty's user privilege management system empowers administrators to assign roles and privileges, enhancing the platforms.



## **Project management:**

To efficiently manage and plan M2 and future tasks, we have adopted Trello as our primary task management tool. Trello provides a user-friendly interface and a unified dashboard view, allowing us to streamline collaboration, track progress, and ensure transparency across all assigned tasks.

### **Task Assignment and Tracking:**

Assignment of Tasks:

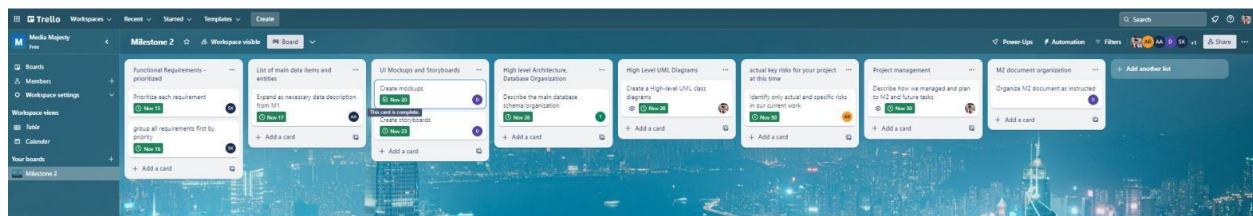
- We began by assigning specific tasks for M2 to team members based on their expertise and project requirements.
- Tasks were categorized into manageable units to enhance clarity and focus.

Trello Board Setup:

- We created a dedicated Trello board for M2 and subsequent tasks, with lists representing different stages of the workflow.
- Each task was represented as a Trello card within the appropriate list.

Member Responsibilities:

- Team members were assigned responsibility for specific cards, outlining the scope, deadlines, and any dependencies.



## Team members and roles:

Name	Email	Nickname	Role	Can meet these times outside the class
Abbas	abbas.abbas@informatik.hs-fulda.de	Abbas	Team Lead	Yes
Achraf	achraf.boudabous@informatik.hs-fulda.de	Achraf	Frontend lead	Yes
Shinu	shinu.donney@informatik.hs-fulda.de	Tom	GitHub master	Yes
Shifali	Shifali.shifali@informatik.hs-fulda.de	Shifali	Backend lead	Yes
Duru	duru.yilmaz@informatik.hs-fulda.de	Duru	Frontend	Yes
Anwer	anwer-ahmed.al-dhify@informatik.hs-fulda.de	Anwer	Backend	Yes

## Appendix I – form to be filled out and included in e-mail body for M2 vertical prototype delivery

### Milestone 2 Vertical Prototype Form Team Number 2

The below form is used for submission of needed information for the current milestone. The below table is used to help access certain parts of your web application. Please make sure the information submitted is accurate and up to date to ensure grading of the milestone is completed in an efficient manner.

Item	Credentials
Website URL	media-majesty.eastus.cloudapp.azure.com
Website URL to search page	media-majesty.eastus.cloudapp.azure.com
SSH URL	azureuser@invictus
SSH Username	azureuser
SSH Password/Key	-----BEGIN RSA PRIVATE KEY----- MIIG5AIBAAKCAyEAYLPu18LTSvTZTdSOGxCYJP/oMJOGtvRUvCc5xhXdoh7YaR32 MNCZl3GjJmvhp3JGEMGn85GYIjQxooWLtduYIJYU4u93npjKxwS2OHdhC1so2Hp BVAyBgMpeoUM09lDJzxc1XvmLxk67C8NI2jllkvyIXNDHpvXIF0IEiMhjYcvB/7a qv077VK4TjWL9ibXUXOtw3EoGhdUsAQvD6dyqlPcTttqUP/YDRHHCfJ8CubGf+Oq VkOCX1fvInHR5lvNvSJrl9SE+qwTBGSIZ+y1G55rt3vny0Bjlp+diRv7kHxQvhiT AoUrYGTJyVmbOOTnjX4q2OzJATqCIbfcEMojJlpPQ0tfFUf/Sg5jK970V4sNINu5 ivoSYtio5CE7YGVFVgoxXL6a9I6eicSdgrzq+H9AD9cj5npKop3xRFhvFvSax/Xn DeTTltrlwct0juXo6xupMwUwtaEtnKYsJG66CngP8szSoCLeNso/bc5A1zhfkU+4 DdDMH391LgJOiqgtAgMBAAECggGBAKrbOpWk/ljOLfuq2jrCGrNMw24u+LzhLQ1r



	2yv9S0sLNTHvVrjnNJsPG1PG/Ted+XWkVoTsSfW8NxDi3Te4tD3xZeB2+X8jMqvD X2wQg5JVVSmVXVivl5Y0tOffQjdKunc5VNJMgn1P3jBYMbgWKGHCA8YkdFwhyIe9 76QMEjE4htoopCByKcTz6YBy5y5qjFyDvMYnm3ryp56cQS/zXZMQhv+j+ovhHhLZD jwyxx9VD9nHC7yw2llyOdo5yPVw6iVSKPqTK2XChQe3o6kMXAZUGJ2lp/PWvVsm bvWSnh4xNdC80EUaraiASYFmpjU4njmd9glr7OoqcgiWiVsVeRBrNjpxqdEmsJYuV cVcz99RVxThm0y5g6qoxZivdLTHKcf9GqrYl2mlaSifEciVE9UYA5UQE3KaUtN/A wxv9ZU1UO+Lo9k073hkz14iWQ89WhoCypfg7Tcsxmt/NoOg0t+ypxB/7VqrwwIQ5 Jqun83hLFSbkLGYTmq6vSlwT8Nd05QKBwQD8YdAzA5YiVze8uLeoQ8Redm9y7KmJ RJ4clEAL9aob7NubvMTqm1wGeGsU1lJ8fLKcKik7HUflrcJa+xOLWRyNSN0K+/l 2fZ6FA+OmAS4NHdNcjQPrwu1m/k1yzCao3z7s5311ayAc8ktYQESPT6nejCpPcB8 5AjbRTTOckppg6HVEw2hZylVjLbu0dfd0+fLqcOk0FGJpcR5DQPlppTLHf6a1nsa HiL+Y3uw/XOuXOqcQ7rmoQOyJ762pECjOb8CgcEay5R35LUnbURidlaYVqMTbNl4 jsvn/skXvfiG1YEUyUzo62TiMltej2V4RNDP1vAdHf9FD764Duwvm+5j4SFuEsTp Gkhyu0z7aRWL2BiqNu1x9yp+tT3QwGOuxXFDSQU/xXlcnBo29R0OxcpASfEV0vsl bmBNu+1JL5jgJJCoy70uNihL4IbMe/9hIP5GJzG2OBf10AsWoRxZYYf1TcfqCfj Z3cBrMtfT8ufGnqalyRJ95i5G7ca5Ve1PUxBdGETAoHBALQ+0yer1wx9h7QDpD7K 7zKbmSrVtJrxY457nmYsNCovb0h0Oqv/2prmERM2j51M654C5PpD2b4OsHhNGH4Y 0xTxuHlea72Xdf1n2Fh5X12DMvUfq+jLlixE0a3GiNbYDgnhFN4elU1D5BjBn7c9 KV0o2hn0nUVUwrYRFw6d92D1/p0jN2ffOlj73yYe1Hle7/u3KZ/Km4EX34KodfEM kFWj/VLt/QsBHPLbb9pOmNCdUXz6rj/KHM6ergjYs8UffwKBwBQw8YM5hGON+MYL 6KgPHlobN53SE3xtrXELZBAG8VLV0fQm2VhtP3+xbLBGIzaX0gt7mfnpzI+OVVp9 1mlp0qUB6qy0qsxw4i6V+HzCVX+FJVyCVnbbXqz2NgtXJHIFkAGhQ70nzHObli/z 01SCGMwIldnwq0UMT8nsu666lGli6tq6galYoWHej6JpBHewdPhlqInyf3OqlYRe nQ/KS9V9v0wvVXbJ5PYhF/KkXk1F+CAagaGCE6TTgiJGQeetCQKBwCTCfk2mCjfs O4F+oz2cc4FtbjUuzmxN9vfvZigArKUgsd/ubhT90v0ymCSCpvIxWHNLLFtw1TUF Y2a/Rq+qt3vatRefWTbVFyr+9OBK8lqLsR1FIskUPnlmlPmbhcKJumVnEx+TOasu nBvK7gJL3XIRPtVNeCyGfMShYql407Xwe89CfHwO7R4u7ooA839syIuSxGxr47Yk PEKLdgXjl82wayBrguhZeLZhKCrjrAH4E2KpOTVpKX/17/KQ4/L2BQ== -----END RSA PRIVATE KEY-----
<b>Database URL</b>	http://20.51.194.250:3306
<b>Database Username</b>	zeus
<b>Database Password</b>	asoiat 7
<b>Link to GitHub page that performs the Search</b>	<a href="https://github.com/Hochschule-Fulda-AI/media-majesty/blob/olympus/mediamajesty/core/views.py">https://github.com/Hochschule-Fulda-AI/media-majesty/blob/olympus/mediamajesty/core/views.py</a>