# Personae and main Use Cases

## Student/Faculty:

## Characteristics:

1. A person must be currently a part of Hoschdule Fulda.
2. They must have a valid email address ending with hs-fulda.de
3. He must also have a valid card which is needed to upload for verification purposes.

### Use cases:

1. A user can register by providing all required information as a student or Faculty member.
2. He/She can login to the system after verification is successful.
3. He/She can download free or paid media after payment e-g images, music, videos & graphics.
4. He/She can post free/paid media to allow download to other users.
5. He/She can contact to another user as a buyer or seller.

#### A user can register...

A user can register himself as a student of Faculty member. He will provide all required information including first name, last name, nick name, phone number, email, and password. In addition, he needs to upload an image of their ID card provided by institution for verification purposes.

#### He/She can login…

He/She can login into the system only if their provided information has been verified by the administrators. He/She can only access the landing page if they have a valid & verified user account.

#### He/She can download…

He/She can download the media which is available for free or can only download the paid media after payment processing. He/She will be able to download the original file with full resolution/quality.

#### He/She can post…

He/She can post a media to allow other users to download the free media. Or even can also post the paid media which can only be downloaded after payment processing. All required information like created at, name, genre and type will be added along with the media upload.

#### He/She can contact….

He/She can contact to a user who has posted the media. When a chat thread is created the seller can also contact back to the user who requested about an information about a specific media from them. Both will communicate with each other with real-time messaging

## Administrator

## Characteristics:

1. A user with specific admin credentials to get access to admin dashboard.

## Use Cases

1. An admin can see the list of users and can see the list of media uploaded by specific user.
2. An admin can disable/delete a user or disable/delete the media uploaded by a specific user.
3. An admin can delete all the media/users.

#### An admin can see….

An admin can see the list of users who have been registered either as faculty or as student. He must be able to apply filter of either a student or user. He can also apply the sorting based on the emails, first name, last name or created at timestamp. Similarly, an admin can see the list of media uploaded by all the user or uploaded by a specific user. Date uploaded and media type filters can be applied to the list of media.

#### An admin can disable/delete….

An admin can disable a user or even delete a user from the list of the users. An admin will also be responsible for authorize a specific media to be published. He will also be able to disable currently published media or even can delete the media.

#### An admin can delete all….

An admin can delete all the users or media uploaded by different users. This will be shown as a highly risky task and must be secured with multiple warnings to the admin. It will be protected with an extra layer of security of providing a pin code.

# Non-functional requirements

1. 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
2. Application shall be optimized for standard desktop/laptop browsers e.g. must render correctly on the two latest versions of two major browsers
3. All or selected application functions must render well on mobile devices
4. Data shall be stored in the database on the team’s deployment cloud server.
5. Full resolution free media shall be downloadable directly, and full resolution media for selling shall be obtained after contacting the seller/owner
6. No more than 50 concurrent users shall be accessing the application at any time
7. Privacy of users shall be protected, and all privacy policies will be appropriately communicated to the users.
8. The language used shall be English (no localization needed)
9. Application shall be very easy to use and intuitive
10. Application should follow established architecture patterns
11. Application code and its repository shall be easy to inspect and maintain
12. Google analytics shall be used (optional for Fulda teams)
13. No e-mail clients shall be allowed.
14. Pay functionality, if any (e.g. paying for goods and services) shall not be implemented nor simulated in UI.
15. Site security: basic best practices shall be applied (as covered in the class) for main data items
16. Application shall be media rich (images, video etc.). Media formats shall be standard as used in the market today
17. Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development
18. 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
19. The application UI (WWW and mobile) shall prominently display the following exact text on all pages "Fulda University of Applied Sciences Software Engineering Project, Spring 2022 For Demonstration Only” at the top of the WWW page. (Important to not confuse this with a real application).