MINIMUM APPLICATION LOGIC REQUIREMENTS

This document contains the functional requirements of your group projects. We expect all of them to be satisfied in the final demo of the project. (Final demo date is to be announced.)

You should create the necessary queries that project meaningful attributes, and create required forms that use those queries (Implementation Stage I & II). All the functionality should be accessible through a main menu. You should use appropriate elements for the best user experience.

You are free to make any changes on your design to support the necessary functionality. You could store additional attributes, relations, etc. in case it is necessary. (Design Stage II)

1. Shipping Company:

- Create a new customer account. Login as a customer. Request a shipment to be picked up by choosing one of the existing addresses. Customer should also be able to create a new address. List all shipments sent by or delivered to this customer.
- Login as an office staff. Create a new shipment and assign it to a delivery staff. Assign an existing shipment to different shipping trucks for different days.
- Assign destination of transfer trucks. List all the trucks a shipment is carried in, along with their dates. Set a shipment as delivered and enter its receiver's name.

2. Digital Video Game Distribution System:

- Login as a main user. Buy a video game using an existing payment method. User should also be able to create a new payment method. List all the games the user has, show the purchase date if it was not free.
- Login as an admin. Create a new video game. Create a discount for a video game. Main user should see the discounted price of a video game, as well as the original price.
- List all the existing games and search by entering the name of the game. Filter games according to the genre. Show how many times each game is sold. List family members that has access to a chosen game.

3. Online Video Sharing System:

- Login as a standard user. Create a new video with various tags associated with it. List all accepted videos. Search videos according to tag. Like or dislike a video from the list.
- Login as an admin. List all videos, search by the video name. Filter unaccepted videos. Choose an unaccepted video and accept it. List all videos that prefer a chosen type of ad. Assign an existing ad to a video.
- Create a new ad. List all ads of a chosen company. List all videos that show a chosen ad. Make a payment to a chosen partner user from a company.

4. Online Magazine Subscription System:

- Login as a consumer. List all the approved magazines. Choose one magazine and subscribe to it for a time period. Give a rating to a subscribed magazine. List all issues a consumer has access to. Search an issue by tag.
- Login as a publisher. Create a new magazine. Create a new issue for that magazine. View the average rating of a chosen magazine.
- Login as an inspector. Approve an existing magazine. Make a payment to a publisher based on the subscription count.