CS 281 Fall 2022-2023
Project Functional Requirements

- ***Property Rental System:***
  - Log in as customer. List all the properties along with their available time (you may show the time that property is not available). Search through properties by city and property type and show them along with their rating. If the customer choses to read comments about a specific property, they should be able to see the comments. Select a property and make a booking for a period of time that is available. Show the price and if the customer has a discount code, ask them if they want to use it or no. Discount code can be applied on that property if the customer allows it. Next try to book a property that has no available time. Then, evaluate a property that you have already booked (should be able to add comment too). Next, log out from the system.

  - Log in as property owner. List all properties of that owner along with their necessary information including the period(s) the property is booked. The owner should be able to check for which customer(s) has booked the property. Add a property and delete some other properties. Add some unavailable dates for a property and log out. Then log in as a customer and check for update information.

  - Log in as the system's only admin. First check for availability of the properties that are reserved in previous stage and then make the following updates. First list all the properties, customers, and property owners. Select a property and update its information such as deleting a comment or changing its rating. Log out from the system.

- ***Online Auction System:***
  - Log in as a seller. Create three different auctions. Select a category for them and add all the other information. Check for the auctions you have created previously and check their status. Check for all your bills; you can select a finished auction and check its bill. From your ongoing auctions, delete one of them. In the next stage, select an ongoing auction and list all its bidders in ascending order based on their bid price (from maximum to minimum). Then, update your bill information and some other information and log out. Then log in as a buyer to see if those auctions function or not (before an admin accepts them)

  - Log in as two different admins. List the current auctions with their status and some of created auctions (not accepted yet). Accept some of them as two different admins, plus two of the auctions created in previous stage (one of them should remain unaccepted). Then log in as seller and buyer to check status of auctions including those created recently.

  - Log in as a buyer. List all the auctions. Select some auctions that are ongoing and show the maximum bid price. Bid on a few auctions. You should try bidding several times as well as two different buyers on the same auction(s). Buy a few auctions that some of them belong to the same seller. Win two auctions that belong to the same seller and do the payment (you do not have to win as the same user; you can log in as another user who won that auction). Update your payment information and some other information then log out. Then sign in as the seller and check for bill gained from the auctions that finished. Log in as admin and check for updates on auctions including the commission amount produced from the finishing auctions.

- ***Online Funding System:***
  - Log in as a company owner. View all the owner's companies. Select one of them and edit some of the company information. Then search the company's products. Find one product that can still get funded and cancel its funding. Find another product, update its donation goal, and add one more donation tier. Next, create a new product for the company and set its information. Log out and log in as an investor. Search up for the company. See all their products. First click on the product that is edited. See the changes and go back. Now, find the newly created product of the company and see the details.

  - Log in as an investor. Filter the products by their types. Choose a product and view its page. While selecting a product make sure that the donation target date has not passed. In the product page product information such as name, description, donation goal, donation target date must be displayed along with the tiers and comments. For the donation goal, you should also display the percentage of the donated money. First, donate a special amount of money to product and then view the percentage. Then view the tiers and select a tier. The donation percentage needs to increase. Log in as a different investor and donate to the same product, but this time surpass the goal. Since the donation date has not yet been reached the investors still could be able to donate.
  - Log in as an investor. Go to a product's page and add two comments. The comments must be displayed along with the investor's name and surname. Log out and log in as the company owner. View the product comments and reply both. Log in as an admin, view both comments and delete one of them. The reply message needs to be deleted automatically. Then view the products and delete one of them. Log in as the customer who commented on the post. Go to the product page and see the reply along with the deleted comment. Search for the deleted product. Finally, go to profile page and edit your name and surname. Go back to the comment and see the changes.

- ***Online Video Sharing System:***
  - Log in as a standard user. Go to the search page. On this page, each video's name, video type, duration, view count, and uploader name must be displayed. Also, display the upload date information as the date difference. (Such as 3 days, 2 months, 5 years) Filter the videos by a "type" or a "tag". Then search for a video by typing its name. Select a video and go to that video's page. In the "Video Page" the details of the video must be displayed again. This time display the upload date in the "DD Month_String YYYY" format. And also display the like count, the dislike count, and the description of the video. As the viewer, like or dislike the video. Turn back to the search page. Make sure the view count increases after you go back to the search page.

  - Log in as a partner user. Go to the "My Videos" page. On this page, display like counts, dislike counts and view counts of each video. Select and delete one video. Then select other video and edit its name and description. Add a new tag to it. After that, create a new video. Enter the details of the video, select a video type from the list of presets. Also, set an advertisement type. Go back to the "My Videos" page and check if the video is visible or not. The video must be accepted by an admin to become visible. Log out and first log in as another user (standard or partner). Try to search for the video. Then log out and log in as an admin. Go to the "Videos" page. Filter the pending (not visible) videos. Set the newly created video as visible. Again, log in as a standard or partner user. Try to search for the video.

- Log in as an admin. First search partner user videos with no advertisements. Select one of the videos. Next, display the advertisements that have the preferred name type of the video. On this panel, you must display the name of the advertisement, its content, and flag information along with the company name to which the advertisements belong. Assign an ad to the selected video. Then go to the “Payment Page”. On this page the information of company and partner users will be displayed. First, click on a company and display its advertisements. Then go back and click on a partner user. See which ads of companies are assigned to this partner. Press a button to make payments for the users. Then press another button to see the payments of the user. Now log in as a partner, go to the “My Payments” page and look at the payments.