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Introduction

Welcome to our App Store website! We are an online platform that integrates a wide range of quality apps and aims to provide you with the best app download experience.

Our shop features a rich and diverse range of apps including social media, games, productivity, education, healthcare, music, video and more. Our team carefully selects each app to ensure that they are all high quality, useful, safe, and reliable. In our shop, you can easily find the apps you need through categories, leaderboards, and search. We also regularly update the latest apps. For this project, I developed a back-end management system that allows the administrator to access orders and users about the site and to manage them.

Development work:

During the development process, the project requirements were discussed, and the functionality and design style were clarified. Design style. Scrum agile development methodology was used, and development schedules were determined regularly to ensure smooth execution of the project.

I modularised the requirements and filtered the CSV files. In the initial phase, I modularised the requirements, filtered the CSV data and designed the database. I processed the data into tables to produce searchable lists and visual charts. I implemented login/logout for the administrator and internal messaging by manipulating cookies. I used Bootstrap for the front-end display and tested to ensure the site functioned properly. Site functionality. We used Plotly to create intuitive charts and maps. In addition, we added to the code detailed comments throughout the code to improve readability.

Frontend login:

Users can register and get both an account

Logging in with the account allows for checkout operations

If the user is not logged in, billing is not possible

Design:

During the design phase of the project, I decided to modularise the functionality of the application to make the code more readable. The application modules include login and registration for orders, products, and users. For the user management system and shopping site, I used Bootstrap as the front-end framework Django and Plotly for the back end. the database was designed to consist of summary, details, user, and information tables. In the listings section I provided user friendly paging, filtering, data editing and product details viewing. By performing a join query on the summary and details tables, I displayed an intuitive product details page. We have also designed data archiving. To display the data more visually, I used SQLite3 and Plotly to create charts and I also designed login and logout functionality.

Deployment:

Shopping site:

Codio box: <https://milanpolo-buffalorapid-8000.codio-box.uk/>

The site has been deployed to Render: <https://ali-cs551q-assignment.onrender.com>

Back-office management system:

Codio Box: <https://milanpolo-buffalorapid-8000.codio-box.uk/admin/list/>

You should first log in to the site with the administrator's password before opening the backend management system URL.

If you do not have a password, you will be prompted to log in first.

Administrator account for the back-office management system:

Username: admin Password: 123

