Delta Internship - CinemaApp task

Project Overview

The goal is to develop a web application for managing cinema repertoire and facilitating ticket reservations. The application has three types of users:

- Consumers
- Administrators
- Ordinary users

User Requirements

General User Features

- **Users** possess basic information such as name, date of birth, email, and a role (Admin or Consumer).
- **Users** can log in using their email or username along with a password.
- Log out functionality is available.
- **Users** can navigate to the homepage (Movie Screenings) by clicking on the logo.
- A copyright information footer is displayed on every page.
- **Users** have the ability to change their password.
- Password recovery option is available, sending an email with a link for setting a new password.

Consumer Features

- **Consumers** can create an account or use the application as guest users.

  - An email is sent for account verification after creation.

  - **Consumers** can't log in or use the application until their account is verified.

  - **Unregistered** users must provide their email when reserving tickets.

- The homepage displays cinema repertoire.

  - **Consumers** can filter movie screenings by date, genre, and sort them chronologically or alphabetically.

  - Only upcoming screenings for the next 7 days are visible.

  - Movie screenings that have passed are disabled for reservation.

- **Consumers** can reserve tickets through the reservation page.

  - Details of screenings are shown.

  - Seat selection is visualized with different colors indicating availability, occupancy, and selection.

  - Total price is dynamically calculated based on the number of tickets.

  - Authenticated users get a 5% discount.

  - Reservation confirmation includes a unique code.

  - Success or failure of reservation is displayed, and an email confirmation is sent for successful reservations.

- **Authenticated consumers** can view current and past reservations.

  - Reservations are categorized based on the date and time of the movie screening.

  - Reservations can be canceled.

Admin Features

- **Admins** have all functionalities available to consumers.

- **Admins** can manage Genres, Movies, Movie Screenings, and Consumers uniformly.

  - List view with pagination, filtering by the first letter, and search functionalities are available.

- **Admins** can add, edit, and delete Genres with unique names.

- **Admins** can add, edit, and delete Movies with poster image, name, original name, and duration.

- **Admins** can add, edit, and delete Movie Screenings with date, time, ticket price, and defined available seats.

- **Admins** can block consumers from accessing the application.

- **Admins** can reset consumer passwords, triggering an email with a link for setting a new password.

Additional Features – ADVANCED

- Authenticated consumers can rate past reservations.

  - Ratings range from 1 to 5 stars.

  - Each movie has an average rating displayed on the homepage and in past and current reservations.

Development process

There will be provided dynamic tool for managing and tracking tasks - Trello board. This board consists of columns representing different stages of the development process:

- Todo:

  - Tasks or user stories that are yet to be started.

- In Progress:

  - User stories currently being worked on.

- Done:

  - Completed user stories.

User Stories

User stories are short, user-centric descriptions of features or functionalities. Each user story comes with:

- Acceptance Criteria

  - Conditions that must be met for the user story to be considered complete.

- Checkpoints:

  - Specific milestones or subtasks contributing to the overall acceptance criteria.

Acceptance criteria

"Acceptance Criteria" refers to a set of predefined conditions that must be met for a task to be considered complete. It serves as a clear guideline for what is expected from your work on a particular assignment. To successfully conclude a task, ensure that all specified criteria are satisfied. It's important to note that, in the normal course of the internship, a task is generally considered finished only when all acceptance criteria are fulfilled. However, we understand that the pace of learning and project plans may vary. Therefore, it's encouraged to maintain open communication with your mentor. If there are instances where the completion criteria need adjustment due to the learning tempo or specific project considerations, these can be discussed and agreed upon with your mentor during the course of the internship.

Workflow

User stories progress through the workflow:

1. Start in "Todo."

2. Move to "In Progress" when work begins.

3. Reach "Done" upon successful implementation.

What interns can expect

During your internship, you will have a dedicated mentor who will play a crucial role in guiding you through your learning journey. Here's what you can expect from the mentorship program:

Assigned Mentor

Each intern will be paired with a seasoned mentor who will be your go-to person for guidance, advice, and support throughout the internship.

Daily In-Person Sessions:

Your mentor will be available for in-person sessions for approximately 30 minutes each day. This time is specifically allocated for discussing code, providing feedback, and sharing best practices. Use this opportunity to gain insights and incrementally enhance your skills.

Code Review and Suggestions:

During the daily sessions, your mentor will go through your code, offering constructive feedback and suggestions for improvement. This personalized guidance is designed to help you adopt best practices and refine your coding abilities.

Open Channel for Questions:

Beyond the daily sessions, interns are encouraged to ask questions at any time via Slack. Your mentor and the team will strive to respond promptly, ensuring you have the support you need when you need it.

Flexible and Responsive Support:

Recognizing that learning doesn't follow a strict schedule, your mentor is committed to providing flexible and responsive support. Whether you have questions about a specific task, need clarification on a concept, or seek career advice, your mentor is there to assist you.

Focused Learning Experience:

The mentorship program is designed to create a focused learning experience. Expect personalized attention aimed at addressing your individual learning goals and challenges.

Continuous Improvement:

Your mentor is invested in your continuous improvement. Regular check-ins will provide opportunities to discuss your progress, set new learning objectives, and ensure that you are on track to meet your goals.

Expectations from Interns

As interns, we highly value your active engagement and open communication throughout the duration of your internship. This includes asking questions whenever uncertainties arise and actively seeking feedback on your work. We encourage you to embrace a continuous learning mindset, take initiative in your educational journey, and see challenges as valuable opportunities for personal and professional growth.

It's crucial to note that our primary focus is on the quality of learning rather than solely completing tasks. While tasks are an essential part of the internship, the emphasis is on adopting and implementing best practices. Therefore, the success of your internship is not solely measured by the completion of all tasks; rather, it is about acquiring and applying knowledge in the right way. A proactive approach to problem-solving and a commitment to collaborative teamwork contribute significantly to a positive and enriching internship experience.