Git and GitHub Practical Exam

Duration: 1 Hour 30 Minutes

In the practical exam, the following tasks need to be performed:

Group Leader's Task with the help of group members:

1. Create a GitHub repository, for example, git-github-exam, using your GitHub account.

2. Add a README file to the repository.

3. Add four members and teacher (ID: uksaha77) as collaborators to the repository.

4. Create a "development" branch where project members push will be merged initially.

5. After merging all group members task, development branch should merge into main branch.

6. Protect the main and development branches by applying protection rules that require a pull request, review, and approval before merging any changes.

7. Merge all updates one by one using the FIFO method. Delete team members remote branches after merging.

Each Trainee/Group Member's Task:

1. Clone the GitHub repository of your group.

2. After cloning the remote repository by all group members, group leader will update the README file as per instructions provided below.

3. Add your profile Markdown file to the group repository, with the file name format as follows: your-name.md

4. Update the README file as per the instructions provided below.

5. Push your local changes to GitHub, adhering to the best practices.

6. If a merge conflict occurs in the remote repository, 5 marks will be deducted.

7. According to the assigned task, every member should face conflict in the README file. Individually should resolve this conflict locally without any help.

8. Every member should create the remote branch according to his/her local working branch name while pushing his/her task to remote repository.

9. Take screenshots of all Git Bash commands and GitHub activities. If you miss any screenshot of your activity, marks will be deducted proportionally.

10. Create a PDF document, for example, your-name-task-activity.pdf, that includes screenshots of all the steps performed.

11. Add the screenshot file to the local repository and push it to remote repository. This activity won't be included in your screenshot file.

Note: The exam will be evaluated based on the completeness and correctness of the tasks performed, along with adherence to best practices.

Group Leader's Task:

1. After creating repository, confirm all five team members have cloned the repository.
2. Edit the remote README.md file in the development branch using GitHub Editor.
3. Paste in the provided content and ensure proper formatting.
4. Save changes with a brief description.
5. Commit changes.
6. Merge changes into the development branch.

Local Dining Guide

Web Based Dining Information Solution

Welcome to the Local Dining Guide project! This web-based software solution is designed to provide users with comprehensive dining information, making it easy for them to explore and discover local restaurants, cafes, and eateries. Whether you're a food enthusiast looking for new culinary experiences or a traveller seeking the best dining spots in town, Local Dining Guide has got you covered.

Group Member 1 Task: You need to add following content in the README.md file using Mark Down/HTML syntax with maintaining same design. Upon cloning the repository, you will find an initially empty README.md file. Please add the following content, starting from line number 1.

Project Logo image *(You can use any logo)*

Table of Contents

- Introduction
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Introduction

Local Dining Guide is a user-friendly platform that aims to connect users with local dining options. It provides a rich and intuitive interface to search for restaurants, view their menus, read reviews, and get directions. With a focus on enhancing the dining experience, this software solution strives to bridge the gap between diners and local eateries.

Add any banner here.

License

This project is licensed under the [MIT License](.).

Group Member 2 Task: You need to add following content in the README.md file using Mark Down/HTML syntax with maintaining same design. Upon cloning the repository, you will find an initially empty README.md file. Please add the following content, starting from line number 1.

Development Technology

Front-End:

- HTML, CSS, JavaScript
- React (Front-end framework)
- Map integration libraries (e.g., Leaflet) for location-based features
- Responsive design for mobile and desktop devices

Back-End:

1. Node.js or Python (Server-side scripting)
2. Express.js (Web application frameworks)
3. MongoDB or PostgreSQL (Database management)
4. Geocoding APIs (for mapping and location data)

Features

- **Search:** Easily search for dining establishments based on location, cuisine, price range, and more.
- **Restaurant Profiles:** Detailed profiles for each restaurant, including information about the cuisine, operating hours, contact details, and customer reviews.
- **Menus:** Access to digital menus, helping users explore dishes before visiting the restaurant.
- **Reviews and Ratings:** Read and write reviews and ratings to share experiences with the community.
- **Map Integration:** Integration with mapping services to provide directions to the selected restaurant.
- **User Accounts:** Create accounts to save favourite restaurants, track dining history, and receive personalized recommendations.

Click here for more details.

Group Member 3 Task: You need to add following content in the README.md file using Mark Down/HTML syntax with maintaining same design. Upon cloning the repository, you will find an initially empty README.md file. Please add the following content, starting from line number 1.

Getting Started

Follow these steps to get Local Dining Guide up and running on your local machine.

Prerequisites

Web Browser: Ensure you have a modern web browser installed to access the Local Dining Guide interface.

Internet Connection: A stable internet connection is required to fetch restaurant data and images.

Installation

1. **Clone the Repository:** Start by cloning this repository to your local machine.

   ```
   git clone https://github.com/yourusername/local-dining-guide.git
   ```

2. **Navigate to Directory:** Move into the project directory.

   ```
   cd local-dining-guide
   ```

3. **Launch the Application:** Open the index.html file in your web browser.

   ```
   open index.html
   ```

Group Member 4 Task: You need to add following content in the README.md file using Mark Down/HTML syntax with maintaining same design. Upon cloning the repository, you will find an initially empty README.md file. Please add the following content, starting from line number 1.

Usage

- **Search for Restaurants:** Use the search functionality to find dining options based on your preferences.
- **Explore Restaurant Profiles:** Click on a restaurant to view its detailed profile, including menu items and reviews.
- **Read and Write Reviews:** Share your dining experiences by leaving reviews and ratings for restaurants.
- **Save Favourites:** Create an account to save your favourite restaurants and receive personalized recommendations.
- **Get Directions:** Click on the map integration to get directions to the selected restaurant.

Thank you to the following contributors who have helped to improve this project:

Name	Email	Phone
Contributor 1	Email address 1	Phone Number 1
Contributor 2	Email address 2	Phone Number 2
Contributor 3	Email address 3	Phone Number 3
Contributor 4	Email address 4	Phone Number 4
Contributor 5	Email address 5	Phone Number 5

Group Member 5 Task: You need to add following content in the README.md file using Mark Down/HTML syntax with maintaining same design. Upon cloning the repository, you will find an initially empty README.md file. Please add the following content, starting from line number 1.

Contact Information

For any inquiries or support, please email us at support@localdiningguide.com or visit our website http://www.localdiningguide.com.

Follow us on social media: (Add Icons)

Twitter: @localdiningguide

Facebook: LocalDiningGuide

Instagram: @localdiningguide

We hope you enjoy using Local Dining Guide to discover fantastic dining options in your area! Bon appétit! 🍽️