

Milestones for Recommendation Engine and Client/Server Architecture

Learn and Code Graduation project

Client-Server Architecture

- Multiple Client and single server should be running on different ports of localhost.
- Client Application will be used to send requests and receive responses.
- Server application will be used to process all the requests and send the desired Response.

Creating Database and Adding Test Data

- Create the database
- Add the test data

Establishing DB Connection

- Connect the application to the database
- Test the connection

Login/Logout

- User roles: Admin, Chef, Employee
- Successful login and logout processes
- Save the user's login and log-out attempt in DB and the activities they performed during their session.

CRUD Operations

- Role - Admin
- CRUD (Create, Read, Update, Delete) operations on the Menu Items
- View Menu Items

Chef Rolling Out Items for Next Day Menu

- Get items from Recommendation Engine based on how many times they are prepared, average rating, positive sentiments, feedback, etc.
- Eg: Function signature:
`recEng.getFoodItemForNextDay(MenuType, ReturnItemListSize)`

This function will return the list of items based on the ReturnItemListSize.

- The chef will select the items for the $n+1$ day menu from these returned lists of items and send these (all or few) to all employees.

Employee Choosing Items for Next Day Menu

- Display the items rolled out by the chef
- Provide Average rating and sentiment analysis for those Food Items to help employees to choose.
- Employee will vote for the next Day Menu shared by Chef.

Employees Providing Feedback for Menu Items

- Employee will provide feedback for all the Menu Items including Breakfast/Lunch/Dinner.
- Feedback includes-
 - Rating
 - Comment

Reporting (Optional)

- Role - Chef
- Chef will generate the monthly report which contains all the Food Items, Average Rating, Sentiments for that Particular Month.
- Function Signature
 - `RecEng.GenerateReport(Month)`
 - Returns Report contains Food Items with Average Rating and Sentiments

Notifications

- Chef/Admin can send the notifications
- Employees can view the Notifications