

**NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY**

School of Electrical Engineering and Computer Sciences

**CS-250: Data Structures and Algorithms**

**Project Proposal**

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| **Class:** | BESE 14 A |
| **Date:** | 17/11/2024 |
| **Submitted to:** | Sir Faisal Shafait |

**Project Details**

**Members:**

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**Dataset:**

Trip Advisor Hotels and Reviews dataset

<https://www.kaggle.com/datasets/joebeachcapital/hotel-reviews?select=reviews.csv>

This has over 850k reviews spanned over 4300 hotels. They include several different insights, ratings, given by many people.

Hotels have their own data, location, address etc.

Reviews have authors, text, id, date, hotel, among other info

**Technology Stack:**

**Backend:**

Python – FastAPI

Parser – Pandas, XML

.csv and .txt for storage

**Frontend:**

React

JavaScript

Both Frontend and Backend will be uploaded and maintained on GitHub repository