

# ZROCK ELITE

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**Role:** Django Developer Intern

**Problem Statement:**

Restaurant Reservation System using Django

**Objective:**

An online platform for reserving tables at restaurants. Use Django framework and a database to manage restaurant data, user data, and reservations.

**Dataset (if necessary):**

Download or use a dataset from online sources, or create a custom dataset tailored for this project.

**Front-end:**

Create user interface by using any of these React/Angular/Bootstrap/HTML&CSS&JS.

(you can use any of your favorite frontend technology, there is no restriction to develop)

**NOTE:** GUIs built with programming language libraries like Tkinter, Kivy, or Swing are not acceptable for this project

**Database:**

You can use SQL/NoSQL/Document based/RDBMS/Cloud Databases according to the project requirements.

## Back-end:

1. Develop your code with Django Framework only
2. write a code in a modular fashion
3. When dealing with models in AI, it is necessary to save the model in local using any of the methods (Eg-Joblib/pickle/HDF5), you have to upload this model in your Project repository.

## Deployment:

You can deploy your project an either cloud / local.

## GitHub Repository Maintenance:

- Create Host Repository using GitHub (Make it as public after project was completed)
- Proper readme file you have to maintain for any project development.
- requirement.txt file is important in your repo.
- Add .gitignore file
- Create setup.py to packaging, distributing, and installing the project.

## Individual:

1. You need to commit file every time with related message for each step of development
2. Maintain version control for different releases

## Team:

1. In Team projects, leader will be the owner and members are contributor to Repository
2. At least a team member must work with a single branch.
3. You need to commit file every time with related message for each step of development
4. Maintain version control for different releases

## Submission Requirements:

**NOTE: Submissions will be accepted only via URL**

### High Level Document:

You have to create a high-level document design for your project.

[Sample HLD link](#)

### Low Level Document:

You have to create a low-level document design for your project.

[Sample LLD link](#)

### Architecture Document:

You have to create a architecture document design for your project.

[Sample Architecture Document link](#)

### Source code:

You have to submit your code GitHub repo URL in your final submission.

### Project Report:

You have to create Project report as power point presentation format (Minimum of 15 slides)

### Project Sample Video:

1. Upload your project sample video in LinkedIn as post that video for at least 2mins is required
2. Tag ZROCK (@zrock-intern) in this post caption.  
(maximum try to avoid create caption using Chatbots)

### Evaluation Metrics:

- ✓ We will use code plagiarism checker when evaluating so, don't copy code anywhere in online (Reference is allowed).
- ✓ We will expect optimized solution always
- ✓ Your project must have minimum development from existing system
- ✓ If we detect that you have merely cloned an existing project's code, your submission will be terminated
- ✓ Additionally, ZROCK GOLD have +1 review and ZROCK ELITE have +3 reviews from your first submission so, don't worry about your mistakes.

