

# Yida README Week 1

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## Design & MISC

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- Setting up environment for Django REST Framework
- Completed tutorial for Django REST Framework
  - [Link to Quickstart](#)
- Set up barebone Django project
- Planned on implementation on Sever
  - Set up environment for django REST framework
  - Collected information for required packages
  - Generated `yida_project/euclid/requirement.txt` for Python PIP package installation
    - `pip install -r path/to/requirement.txt` to install.
- Edited the [software requirement specification](#) [Link require CWRU Google Account]
  - Earlier version available on `archive/`
  - Add Revision History
  - Add Access Service as the functional requirements

## Implementation

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- Setup barebone project.
- Start a new application for the RESTful API, namely `api`
- Complete django database models in `api/models.py`
  - User: Use django default (will consider use custom user model for the project)

- Schedule
  - origin and destination
  - the depart time and time range
  - DriverSchedule
    - driver's time constraint: the maximum extra time that the driver would like to spend on sending riders.
  - RiderSchedule
    - matched driver: the driver that will take the rider, as Foreign Key.
- Create serializers for each of the models. `api/serializers.py`

## Todo for Week 2

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- Create simple views that has the functionality of RESTful API (The simplest form, without things like permission control)
- Determine the detailed API with Fengxiang.
- Create test for modules