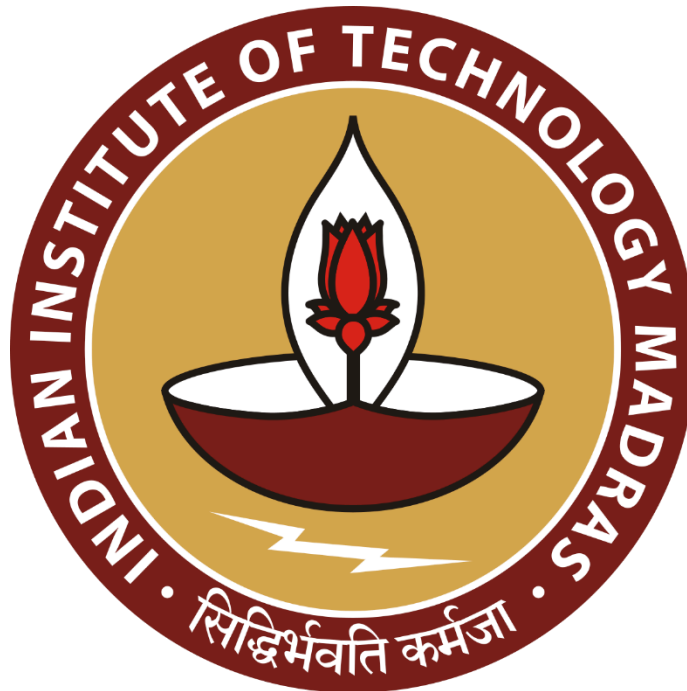**HOUSEHOLD SERVICES**

MAD 2 Project Report

Submitted by

Name: Vikas Jaiswal

Roll number: 21f1006140@ds.study.iitm.ac.in

IITM Online BS Degree Program,

Indian Institute of Technology, Madras, Chennai

Tamil Nadu, India, 600036

Table of Contents

Introduction

The Household Services App is designed to connect customers with professional service providers. Users can create service requests, and professionals can manage and respond to these requests. This app aims to streamline the process of finding and offering household services.

Technologies Used

- **Backend:** Flask, SQLAlchemy, Redis, Celery
- **Frontend:** HTML, CSS, Bootstrap, VueJS
- **Database:** SQLite
- **Libraries:** JWT for security, Flasgger for API documentation, ChartJS for data visualization

Installation

1. Clone the repository:
   - `git clone https://github.com/jaiswalvik/MAD-2-HouseholdServiceApp.git`
   - `cd MAD-2-HouseholdServiceApp`
2. Create a virtual environment:
   - `python -m venv env`
   - `source env/bin/activate`
3. Install the required packages:
   - `pip install -r requirements.txt`
4. Run the application:
   - `flask run`
5. Install Redis:
   - `https://redis.io/docs/latest/operate/oss_and_stack/install/install-redis/`
6. Run Redis:

- ○ `sudo service redis-server start`
7. Run Celery worker in another window:
   - ○ `celery -A app.celery worker --loglevel=info`
8. Run Celery beat in another window:
   - ○ `celery -A app.celery beat --loglevel=info`

Design docs

1. ER Diagram: docs/ERDiagram.pdf
2. API docs link: http://127.0.0.1:5000/apidocs/

Usage

1. Project presentation: https://drive.google.com/file/d/1UPA2TI9QYcRS1QgDiXSpu3y2ThPZFDpC/view?usp=sharing