Project Development Phase

Flask Folder Structure

Date	23 February 2026
Team ID	LTVIP2026TMIDS35942
Title	Plugging into the Future: An Exploration of Electricity Consumption Patterns Using Tableau

Web Integration Using Flask

To integrate Tableau dashboards and stories into a web application, Flask (a lightweight Python web framework) was used. The Tableau visualizations published on Tableau Public were embedded into an HTML page and rendered using Flask.

Flask Project Folder Structure

```
Tableau_Flask_Project/
│
├── app.py
│
├── templates/
│   └── index.html
```
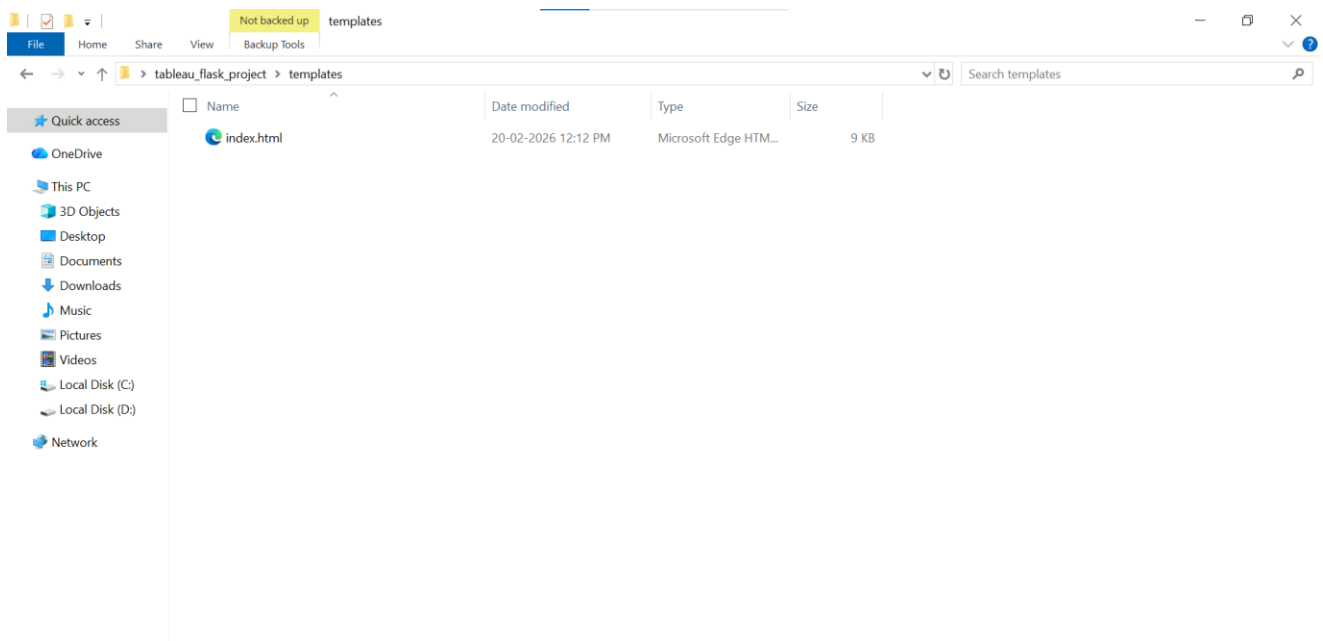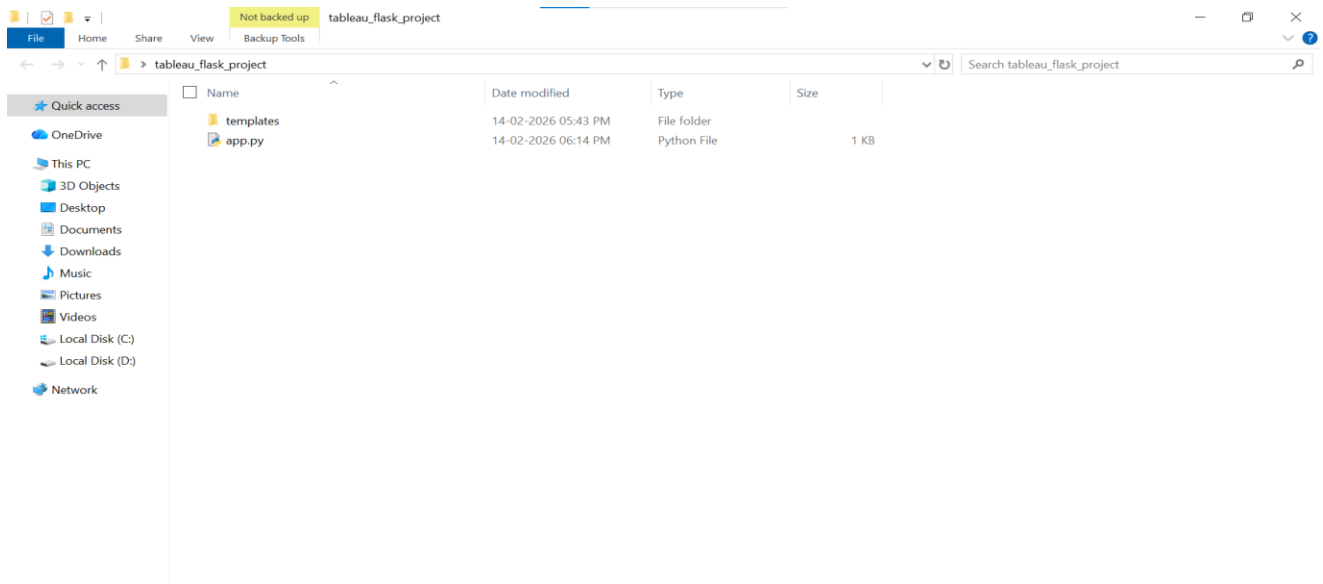
Description of Project Files

app.py
This file serves as the main Flask application. It handles routing and renders the HTML template that contains the embedded Tableau dashboards and story.

templates/index.html
This HTML file contains the embedded Tableau Public dashboards and story visualizations using Tableau's embed code. It is responsible for displaying interactive visual analytics on the web page.

Screen Shots of Flask Folder:

Dataset Link:

https://drive.google.com/file/d/1JxIkHNwXxjFztKq7ad0_KtkukCqTckNy/view

Tableau Public Link:

https://public.tableau.com/app/profile/gunneri.likhitha/viz/PluggingintotheFutureAnExplorationofElectricityConsumptionPatternsUsingTableau_17716846900800/TotalRegionConsumption