Project Design Phase-II
Data Flow Diagram & User Stories

Date	12 June 2025
Team ID	LTVIP2025TMID48957
Project Name	Visualization Tool for Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Data Flow Diagram

```
Data Collection
(Google Drive / CSV / DB)
```

Import Dataset

```
Tableau Desktop
(Import + Visualization)
```

Create Visualizations

```
Dashboard
(Visual Analysis)
```

Publish Dashboard

```
Tableau Public
(Online Publishing)
```

Embed Shareable Link

```
Web Application
(HTML / CSS / Bootstrap)
```

User Interaction

```
User Interface
(View & Interact)
```
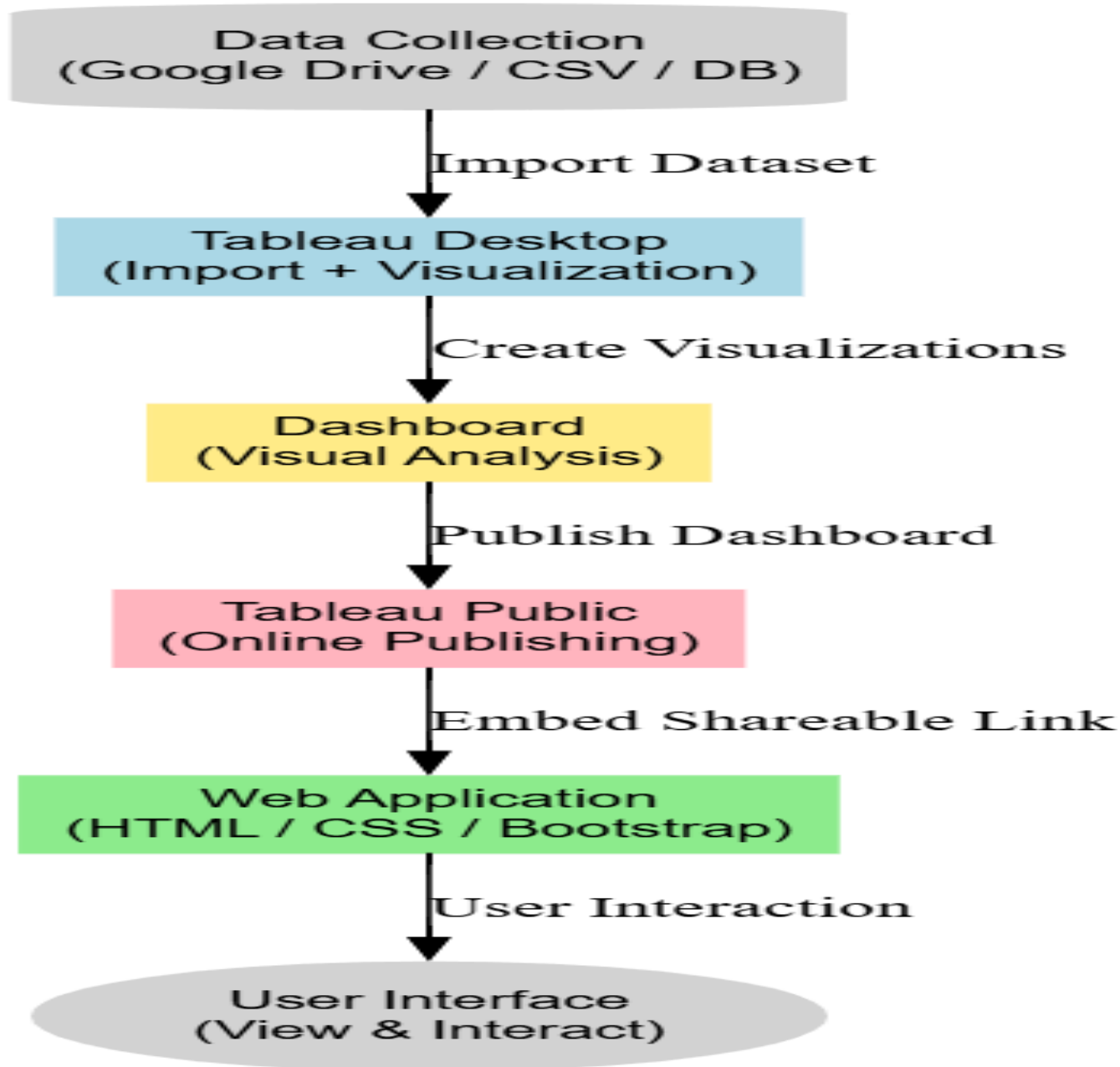
Technical Architecture
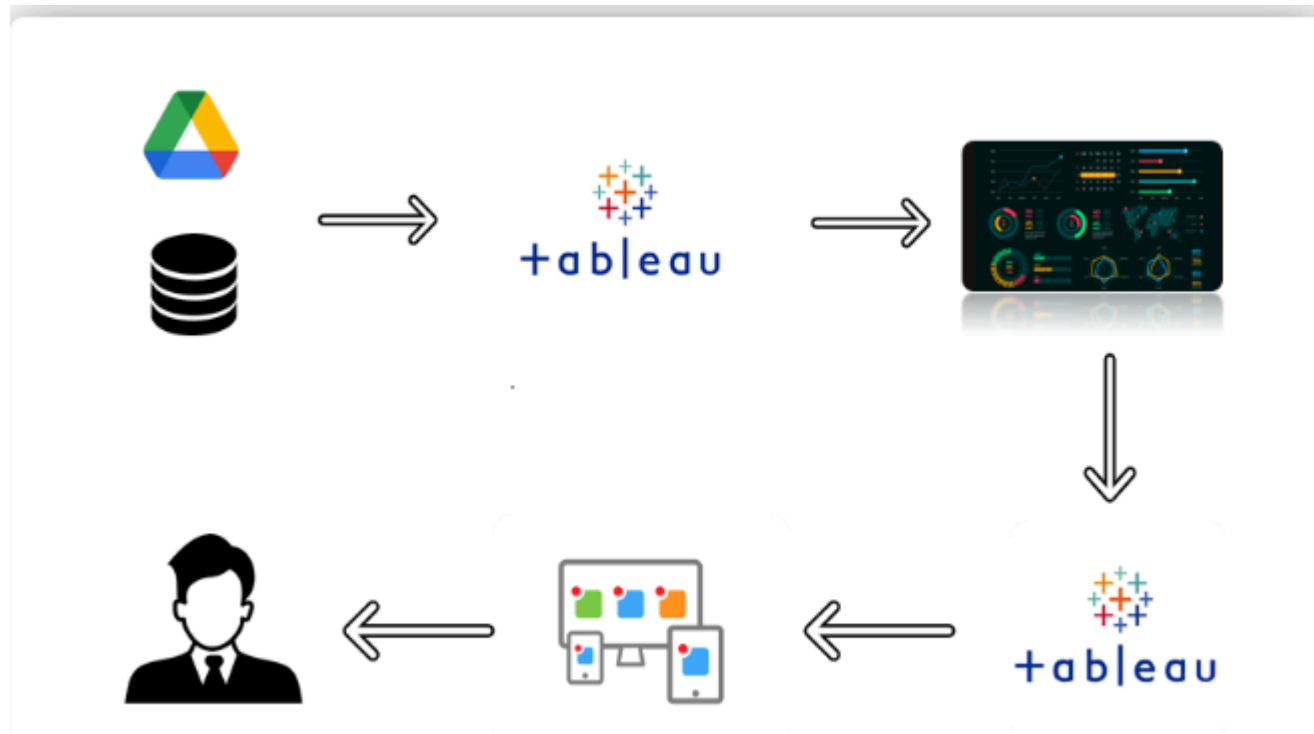
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Dashboard	USN-1	As a user, I can view EV model comparisons (range, efficiency, price) in dashboard format	I can view EV cards with price, range, and efficiency filters	High	Sprint-2
Customer (Mobile user)	Charger Locator	USN-2	As a user, I can find nearby EV charging stations on a map using GPS	I can view stations by distance and filter by plug type	High	Sprint-2
Customer (Mobile user)	Visualization Filter	USN-3	As a user, I can apply filters (brand, price, body style) to personalize dashboard	I can filter results in real-time without page reload	Medium	Sprint-3
Customer (Web user)	Dashboard	USN-4	As a user, I can compare EVs by efficiency (km/kWh) across brands	I can see a sorted chart or bar graph	Medium	Sprint-2
Customer (Web user)	Story View	USN-5	As a user, I can view a story summary of best EV brands by use-case	I can view Tableau story slides (city drive, highway, budget)	Medium	Sprint-2
Customer Care Executive	Help Requests	USN-6	As an executive, I can view submitted queries from customers about EV suggestions	I can access dashboard with filtered queries by user ID	Medium	Sprint-3
Customer Care Executive	Recommendations	USN-7	As an executive, I can recommend EV models to customers based on location and budget	I can access EV comparison chart and share link via email	Low	Sprint-3
Administrator	Data Upload	USN-8	As an admin, I can upload new datasets (EV specs or station info) from backend	I can upload CSV files and trigger refresh in Tableau	Hight	Sprint-1
Administrator	User Management	USN-9	As an admin, I can manage registered users and assign roles (Customer, Executive)	I can edit user roles and delete accounts	Hight	Sprint-2