

Team Name: **TEAM ORANGE**

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Project Name: EV Tax Credit Eligibility Application

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## ***USER GUIDE***

### ❖ ***WHAT IS THE EVT - CES APPLICATION***

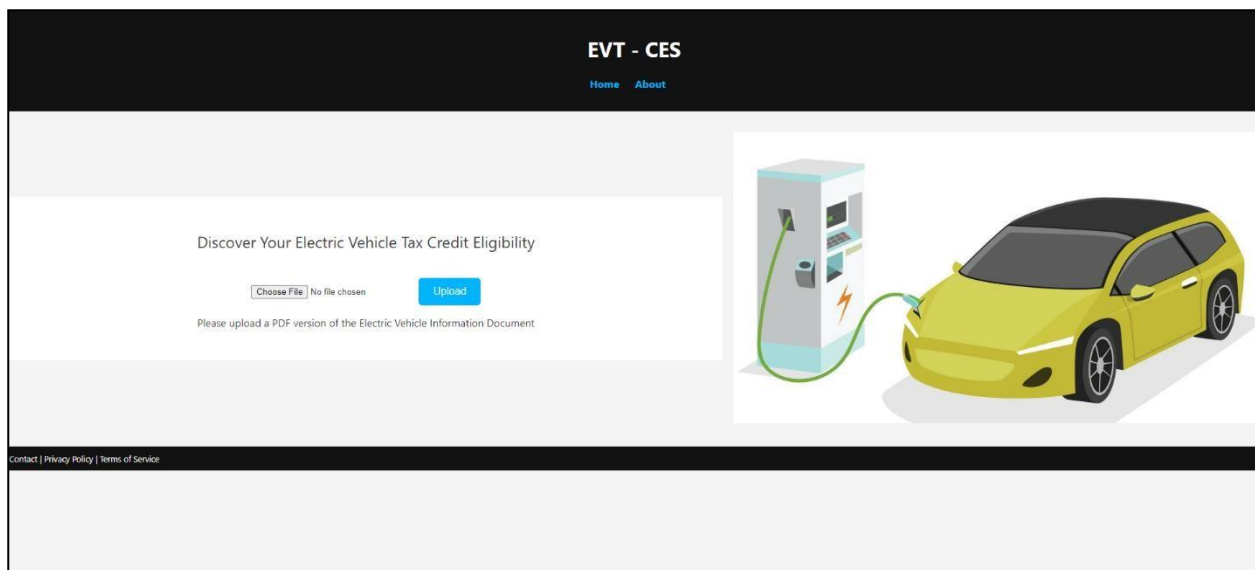
#### ▪ ***Overview:***

The EV Tax Credit Eligibility application allows users to check whether their electric vehicles (EVs) qualify for a \$7,500 tax credit based on their assembly location and critical mineral sourcing. The application displays the assembly location on a map and provides a status message indicating whether the vehicle qualifies for the tax credit.

#### ▪ ***Application is deployed on Google App Engine:***

<https://sp24-finalproject-teamorange.uc.r.appspot.com/>

### ❖ ***Main Interface Page (Upload Electric Vehicle PDF)***



- **Step 1:** Once you reach the index.html page. You need to upload the given PDF of one of the Electric Vehicles (Ford Mach E or KIA EV6).
- **Step 2:** Click on **Choose File**
- **Step 3:** Click on the Uploads Button
- **Step 4:** An alert will appear on the Google Cloud Shell console stating data has been successfully inserted into the *Firestore* (default) database and *BigQuery* (creditTracking) database.

### ❖ *Customer Details Page (summary.html)*

### Enter Your Details

First Name:

Last Name:

VIN:

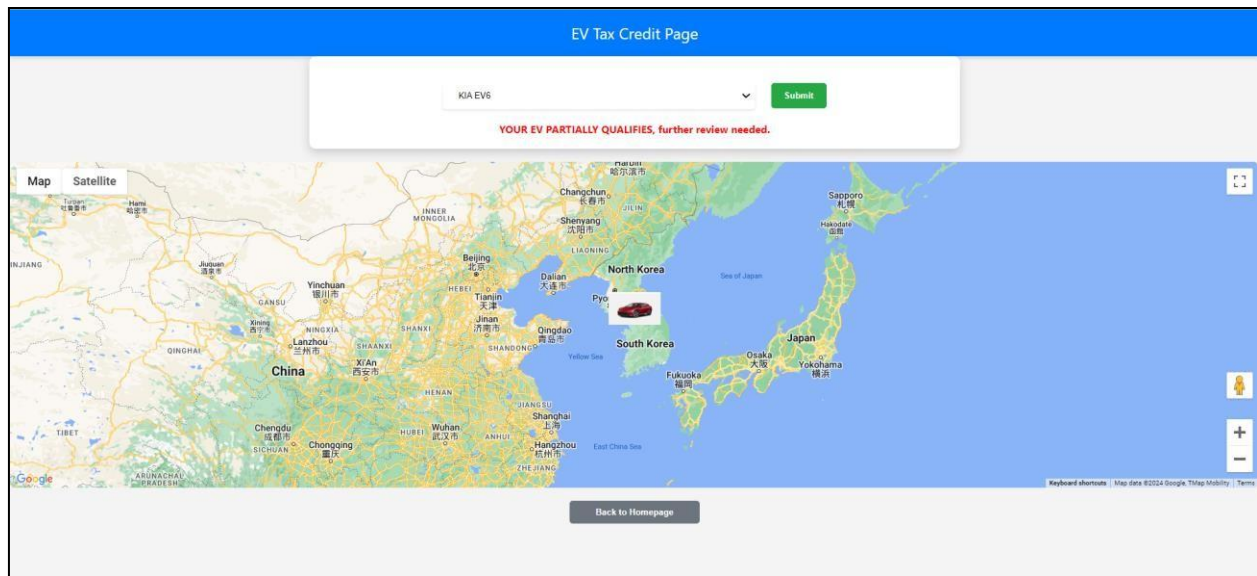
Purchase Price:

License ID:

License Plate:

- On this page you are required to add your details (USER) such as First Name, Last Name, VIN (Vehicle Identification Number), Purchase Price, License ID, and License Plate.
- This data will be sent to a BigQuery Database named “userdetails” and the data will be recorded for future data study.
- On the Google Cloud Shell Console and alert will appear stating the Data has been successfully inserted into the userdetails database.

❖ *Electric Vehicle Tax Credit Qualification Page (result.html)*



- This page will give the user the Assembly Plant Location of the Electric Vehicle and especially in which country the EV was produced.
- The UI will show the Electric Vehicle Thumbnail image on the Google Maps and a message on the UI will state whether the EV qualifies for the EV Tax Credit or not.
- **Step 1:** Click on the dropdown menu and choose the Correct Electric Vehicle Model, **(Please choose the EV Model that was on the PDF)**
- **Step 2:** Once the Electric Vehicle Model is chosen the Google Maps will load the Assembly plant location and on the UI the message will state whether the **EV QUALIFIES**, **PARTIALLY QUALIFIES**, or **DOES NOT QUALIFY** for the EV tax Credit.
- **Step 3:** This step marks the end of the process to check whether the user's Electric Vehicle qualifies for the EV tax Credit or not.