Endpoints

**Authentication and User Management**

* POST /register - Register a new user
* POST /login - Authenticate a user and provide a session/token.
* POST /logout - Log out the user and invalidate the session.
* GET /profile - Fetch user profile data.
* PUT /profile - Update user profile details.
* DELETE /profile - Delete the user account and all associated data.

**Station and Car Wash Listings**

* GET /stations - Retrieve a list of stations (filter by type: gas, wash, or combined).
  + **Query Parameters**: type, location, price\_range, rating.
* GET /stations/:id - Fetch details for a specific station or wash.
* POST /stations - Add a new station (for admins or authorized users).
* PUT /stations/:id - Update station information (for admins).
* DELETE /stations/:id - Delete a station entry (for admins).

**Station and Wash Details & Information**

* GET /stations/:id/prices - Retrieve current fuel prices at a specific station.
* GET /stations/:id/services - Get available services at the station (e.g., fuel types, car wash options).
* GET /stations/:id/ratings - Fetch user ratings for a station or car wash.
* POST /stations/:id/ratings - Submit a new rating for a station or car wash.

**Navigation and Routing**

* GET /route - Fetch navigation route to a selected station or wash.
  + **Query Parameters**: origin, destination, mode (driving, walking).
* POST /route/history - Save route details for a trip to the user's history.

**History and Activity Tracking**

* GET /history - Fetch the user’s history of visited stations and washes.
* POST /history - Record a new visit to a station or wash with relevant details (location, date, etc.).
* DELETE /history/:id - Delete a specific history entry.

**Notifications**

* GET /notifications - Fetch all notifications (e.g., reminders for price changes or station visits).
* POST /notifications/settings - Update notification preferences.
* POST /notifications/send - Send custom notifications to users (for admins).

**Search and Filters**

* GET /search - Search stations by filters such as location, type, price range, and rating.
  + **Query Parameters**: keyword, location, type, price\_range, rating, open\_now.

**Favorites and Bookmarks**

* GET /favorites - Retrieve a list of user’s favorite stations or washes.
* POST /favorites - Add a station to the user’s favorites.
* DELETE /favorites/:id - Remove a station from favorites.

**Administrative Endpoints (Optional)**

* GET /admin/stations - View all stations with management options.
* POST /admin/approveStation - Approve a new station for listing.
* GET /admin/users - Fetch a list of all users.