enhancement_summary.txt
Travlr Getaways – Code Enhancement Summary (CS 499)

Project Type: Full-Stack MVC Web Application
Original Project: Created for CS 465 – Travlr Getaways
Current Course: CS 499 – Capstone

Enhancements Performed:

1. **Code Refactored into MVC Structure**

   - Moved logic from routes to separate controller files.

   - Created folders as app_server,app_api and created files under them as views,models, and controllers, to follow MVC structure

   - Updated `routes/index.js` and `routes/trips.js` to use controllers.

2. **Added Input Validation for Trip Submission**

   - Validation logic added in `controllers/trips.js` to check for required fields (title, destination, date).

3. **Error Handling Improvements**

   - Used try/catch blocks in controllers.

   - Graceful fallback messages when `trips.json` is missing or invalid.

4. **Improved Frontend with Handlebars Enhancements**

   - Added conditionals to `views/trips.hbs` to handle empty trip lists.

   - Improved layout using Bootstrap (see `views/layouts/main.hbs`).

5. **Enhanced Documentation**

   - Added code comments across controllers and routes with `[CS499 Enhancement]` tags.

   - Updated README with setup instructions for evaluation.

Enhancements Summary – CS 499

1. Refactored code into MVC structure
   - Created separate 'routes', 'controllers', 'models' folders

2. Added validation for trip booking form
   - New validation logic in `controllers/tripsController.js`

3. Improved UI layout
   - Updated `views/layouts/main.hbs` with Bootstrap

4. Error handling added for missing trips
   - Used try/catch in `routes/trips.js`

5. Added comments and documentation to all major functions