The artifact I selected for my ePortfolio is Travlr Getaways. Its a full-stack web application designed to give users a perfect travel booking experience for customers and includes an administrative interface for managing bookings, customers, and trips. I created this project last semester, Summer 2025. It demonstrates the use of the MEAN stack (MongoDB, Express, Angular, and Node.js) which is good for developing scalable, dynamic and user-friendly applications. I chose the Travlr Getaways artifact for my ePortfolio because it shows my skills in full-stack web development. This includes designing innate user interfaces, implementation of secure data management, and making the connection of front-end and back-end systems. For this enhancement, Software Engineering and Design, I completed the implementation of a fully functional edit button which shows that I can debug and modify complex Angular components and routing logic. This update helped improved the user experience and added an important feature that supports real-world software development practices.

I had to modify three key components: app.routes.ts, trip-card.component.ts, and trip-listing.component.ts to complete this enhancement. The changes in these files let users navigate to the trip editing page and submit updates without errors. This work demonstrates my understanding of Angular routing, component communication, and event handling. The enhancement process met the course outcomes I planned to address in Module One, including improving the usability of an existing application and demonstrating proficiency in front-end development using Angular. I chose to concentrate on the edit button functionality to make sure it was fully functional and well-tested before submission.

While completing this milestone, I learned how important it is to carefully trace data flow between components and making sure that routes are correctly defined for dynamic navigation. One of the biggest challenges I had was figuring out why the edit button failed to pass the correct trip data between components. Debugging this issue improved my problem solving skills and helped me understand interaction patterns which is one of the Angular components. Enhancing the Travlr Getaways artifact helped my practical software engineering skills and showed a tangible example of my growth as a developer making it a strong addition to my ePortfolio.