**Module Five Narrative**

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This artifact was first based on my static Java webpage that displayed five different trip locations. From that singular static webpage, I was able to translate this into multiple HTTP webpages, then I was able to create a website using full stack development. In my final improved artifact, I was able to create a database that contains multiple trips instead of displaying only five. My website also allows the user to add or edit trips so that the data contained in the database is not limited to what my original artifact was. I wanted to include this artifact in my ePortfolio because it shows my ability to manipulate databases and create one. I selected this item because I wanted to improve and enhance my original Java webpage and give it more depth and complexity. My ability to add functionality, such as my “add” and “edit” buttons, show I can manipulate the elements in my database. This showcases my understanding and ability to apply algorithmic principles to my database. I believe this artifact is improved because I allowed users to be able to have more control of adding or editing trips instead of displaying a list that had no value. I also was able to meet the course outcome I planned on from Module One, which was applying algorithmic principles to my data structure. After meeting this goal, I have successfully met all the course outcomes with the enhancements I completed over the course of all milestones. While creating this artifact, I performed many tests to make sure that my database was correctly manipulated. By using environments such as MongoDB and Postman, I was able to make sure that whenever I pressed the add button or edit button, the elements in my database matched whatever function I initiated. One challenge I came across was when I was trying to add the addition button because the database was rejecting my request to add more elements, however after various tests I learned that it was easier to get the backend situated before I added any elements to the frontend so that I could focus on proper debugging.