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CS 499 – Milestone 3

1. Briefly describe the artifact. What is it? When was it created?
   * This artifact is a fullstack web application that was built with MongoDB, Expressjs, Nodejs, and Angular. It is a travel website with a client facing storefront, an administrative web application, and the node/express backend. I made this application while taking CS465 – Full Stack Development.
2. Justify the inclusion of the artifact in your ePortfolio. Why did you select this item? What specific components of the artifact showcase your skills and abilities in software development? How was the artifact improved?
   * I included this artifact for the database category due to its reliance of a database for its data storage. I wanted to show my ability to stand up a sql server and migrate from a nosql environment. This application was improved by migrating from MongoDB to Postgres and subsequently refactoring the API logic to utilize the new database. I think this enhancement shows my skills in relational data modeling, database integration, and sql data retrieval.
3. Did you meet the course outcomes you planned to meet with this enhancement in Module One? Do you have any updates to your outcome-coverage plans?
   * I met the objective to “Use innovative techniques, skills, and tools in computing practices”. I have no updates for my outcome coverage plans.
4. Reflect on the process of enhancing and modifying the artifact. What did you learn as you were creating it and improving it? What challenges did you face?
   * I had never used a Postgres server before this enhancement. I was able to read the Postgres documentation and learn how to stand up the server. Having only used GUI based applications like MSSQLServer and Oracle SQL Developer, I had to learn how to use the SQL Shell. I learned that documentation is an invaluable resource for software development and computer science.