CS 499 Module 4 Journal

Jonathon Scofield

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My career has been primarily based in the physical hardware of computing rather than the programming or development side. I started with working in a computer repair shop which was a combination of physical and software related issues that had to be fixed, and then moved into working with cabling for a local cable company before finally ending up at a datacenter where I work now. In all of these roles I have been focused on the physical part of computing, however the schooling has almost always been primarily focused on the software aspect, and this is where I would like to go with my career in the future.

When I started working on my bachelor's degree I really wanted to focus on the database development and administration side of software engineering, and while I still greatly enjoy that part I also am finding generally programming to be a fun experience and something I would be willing to do for a career if given the opportunity.

My thinking about my career has changed over the years as I have experienced many different jobs and aspects of the tech industry. Application development is something I haven’t been able to touch on yet, but the courses I have taken have done a good job of showing me how application development is done in a business environment, which is something that I always wondered about.

I have contemplated going for my masters degree, however there is a lot going on in life at the moment and I don’t know if I will have the time or energy to complete those courses currently. I’m hoping that the Bachelor’s degree will help to open up many more opportunities for myself.

For my application I have completed the remaining pages that will be used in the application, including the login page, the registration page, the page that has the main list of travel destinations, as well as the favorites page. The favorites page also now has a quicksort algorithm for sorting the travel destinations. The travel destinations themselves have been refactored into TravelDestination objects with get/set functions for all variables as well as overloaded comparison operators so that the objects can be easily passed through the sorting algorithm as if they were any other type.

**Status Checkpoints for All Categories**

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| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | CS 250 Travel Destinations | CS 250 Travel Destinations | CS 250 Travel Destinations |
| **Status of Initial Enhancement** | All pages are present. The majority of functionality is present | Added Quicksort sorting algorithm for sorting favorite destinations | Not yet enhanced |
| **Submission Status** | Submitting further enhancement | Submitting gui element with sorting algorithm |  |
| **Status of Final Enhancement** |  |  |  |
| **Uploaded to ePortfolio** |  |  |  |
| **Status of Finalized ePortfolio** |  |  |  |