Amber Kimberling

Mikhail Gofman

Master’s Project: Progress Report

**Virtual Classroom Dashboard**

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| **Week 2: 01/10/2021 - 01/16/2021** |
| * Research   + Database     - Self-adjusting multi-granularity locking protocol for object-oriented databases (University of Windsor Thesis Paper: Deepa Saha)   + Threading     - Advanced Threading in C#: <https://www.linkedin.com/learning/advanced-threading-in-c-sharp/two-way-signaling?u=52983649>     - <https://www.tutorialspoint.com/csharp/csharp_multithreading.htm> |

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| **Week 1: 01/03/2021 - 01/09/2021** |
| * Developed a Github Repository where all documentation will be maintained and a project page. * Research:   + Zoom Client SDK’s for web application integration.     - <https://marketplace.zoom.us/docs/sdk/custom/introduction>     - To implement Zoom API will need the API key and secret along with direct user login.     - Access credentials and user tokens are also important.   + AWS vs AZURE hosting with ASP.NET Apps     - <https://stackify.com/azure-vs-aws-comparison/>     - <https://insanelab.com/blog/web-development/microsoft-azure-vs-amazon-web-services/>     - Azure was best for hosting ASP.NET applications due to the easy integration.   + Implementing Large Scale DB’s     - LinkedIn Learning video 🡪 Database Foundations Core Concepts     - Elmasri, Ramez, and Shamkant Navathe. *Fundamentals of Database Systems*. 7th ed., Pearson, 2015     - <https://www.freecodecamp.org/news/database-indexing-at-a-glance-bb50809d48bd/>     - Self-adjusting multi-granularity locking protocol for object-oriented databases (University of Windsor Thesis Paper: Deepa Saha)     - Inner workings a different type of databases. I will be using a relational MySQL database.     - Understanding different concepts of database memory management and file indexing.     - Multiple Granularity Locking and Protocols.     - Types of indexing |