Department of Computer Science & Engineering

The University of Texas at Arlington

Knowledge Acquisition Essay

CSE 4317: Senior Design II

Spring 2024

Encrypted SMS

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* Please list any technical skills or knowledge that you acquired that is related to your project.
* What methods and strategies were used to acquire these skills/knowledge? What sources were useful to your learning?
* How were these skills applied to your project?

During my Senior Design II course, I was placed on the Encrypted SMS project; ESMS for short. My teammates and I decided to develop ESMS on the Android operating system due to its ease of access. Over the course of my Senior Design classes, my teammates and I planned, designed, and authored many documents outlining the requirements, use cases, architectural design, etc. for ESMS. After the documentation stage, we started development quickly over winter break, and focused on bug fixing and overall polish during the semester.

First and foremost, I learned how to take a co-lead role in the development cycle of ESMS. Learning this skill focused on my inter-team communication and time management with teammates. This includes assigning sections of work for each member according to their talents, understanding time conflicts and planning around them, and project organization to reduce overhead.

Skill 2

Skill 3

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conclusion