

CSC 5991 Cyber Security Practice Team Projects

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General Information

- A research project with 2-3 individuals
 - Building a new system
 - Improving an existing technique
 - Performing a large case study
- Deadlines
 - Project proposals due on **Feb 24**
 - Project presentations are on **April 20 & 25**
 - Project final reports due on **April 25**

Project Proposals

- A two-page description
- Title and author list
- Problem statement
 - Describe what the problem is and why it is important
- Related work
 - Write about state-of-the-art solutions to the problem
- Proposed new solution
 - Describe the plan of your proposed approach. Use diagrams or figures if needed
- Evaluation plan
 - Describe your evaluation plan. Effectiveness and performance. What tools/benchmarks/attacks/experiments? What deliverables?

Project Presentations

- Each team has 20 minutes + 5 minutes Q&A
- Two classes for the presentations
- Presentation format may include slides or demo

Project Final Reports

- 10-20 pages, single space, 12 font size
- May contain the following sections
 - Introduction
 - Related work
 - Background
 - System architecture/System design/Technical approach
 - Implementation
 - Evaluation results
 - Discussion (e.g., limitations)
 - Conclusion and future works

Teams and Projects

- Team 1: Zhenyu Ning and Leilei Ruan
 - SQL Injection Detection in Java Web Application
- Team 2: Shruthipriya Soranjerry Baskar and Jayasurya Santhanagopal
 - Privacy Preservation by a Proposed concern for Snapchat like Android Applications.
- Team 3: Rachna Naik and Keya Shah
 - What the App is That? Deception and countermeasures in the Android User Interface

Teams and Projects

- Team 4: Jacob Heaney and Lucas Copi
 - Mobile Space Scanning and Reconnaissance
- Team 5: Rui Chen and Chiara Conflitti
 - Using Graphics in Two-Factor Authentication
- Team 6: Mohammed Yasa, Daniel Mackay, and Zaid Nackasha
 - Buffer Overflow