Cyber Security Project 1

Team Members

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- Nick Cottrell : ncottrell2019@my.fit.edu
- Tiffanie Petersen : tpetersen2018@my.fit.edu
- Isaiah Thomas : ithomas2018@my.fit.edu

Faculty Advisor:

- Sid Bhattacharyya : sbhattacharyya@fit.edu

Client:

- Sid Bhattacharyya : Professor

Meeting Dates:

- Bi-Weekly Thursdays at 3:30 p.m.

Goal & Motivation:

Discuss the overall goal (help make the intended users "happier") and motivation (why are the intended users not too "happy"? limitations/pains of current systems)

- The overall goal is to ensure that users are getting the exact model that they request to be printed by the 3D printer.
- Currently the 3D printer can be attacked causing the printer to ignore the original idea and create the newly injected idea.
  - This could lead to wasting materials, ruining hour long projects, and destroying needed parts to complete a project.

Approach:

Discuss at least three key features/functionalities that your system provides for the users to help achieve the overall goal.
(what features does your system have that can help make the intended users "happier"?)
(at least one paragraph for each feature, more specific less vague) [e.g. Similar to app descriptions at Google Play, **NOT** the underlying tools]

- Remote printing capabilities
- Intuitive user interface
- Runtime assurance

Novel Features/functionalities:

Discuss which features/functionalities, if any, are novel and why.

- Along the lines of runtime assurance for a printer.

Technical Challenges:

Discuss three main CSE-related challenges (for example, "we plan to use javascript for web programming, but we don't know much about javascript")

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Milestone 1 (Oct 4):

- Compare and select technical tools for *A, B, C, ...*
- Provide small ("hello world") demo(s) to evaluate the tools for *A, B, C, ...*
- Resolve technical challenges: *X, Y, Z, ...*
- Compare and select collaboration tools for software development, documents/presentations, communication, task calendar
- Create Requirement Document
- Create Design Document
- Create Test Plan

Milestone 2 (Nov 1):

- Implement, test, and demo *feature*
- Implement, test, and demo *feature*
- ...

Milestone 3 (Nov 29):

- Implement, test, and demo *feature*
- Implement, test, and demo *feature*
- ...

Task matrix for Milestone 1 (teams with more than one person)

Task	Carl	Nick	Tiffanie	Isaiah
Compare and select Technical Tools				
"hello world" demos	Present Demo, create presentation	Present Demo, work on presentation	Head for creating Presentation, Present Demos	Present Demo, create presentation
Resolve Technical Challenges	Work on challenge 1	Work on challenge 2	Work on challenge 3	Work on challenge 3
Compare and select Collaboration Tools	Programs, Communication	Presentations	Documents, Task Calendar	Programs, Documents

Requirement Document	25%	25%	25%	25%
Design Document	25%	25%	25%	25%
Test Plan	25%	25%	25%	25%

Approval from Faculty Advisor

- "I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones."
- Signature: _____ Date: _____