MEETING MINUTES - Group 8

Date of Meeting: <14/05/2021>   **Location:** Zoom   **Chair:** Fan Zhang

Minutes Prepared By: David Wu

1. Purpose of Meeting

During this meeting, we will be presenting our ongoing work to clients to ensure they are well informed regarding our progress and to set future milestones for delivering a well-established prototype.

2. Attendance at Meeting

Fan Zhang -a1738078

Siqi Sun -a1752383

David Wu- a1737845

Tianlei Qi -a1702131

3. Meeting Agenda

1. Show clients our Gantt chart and our task break down in terms of what is expected toward the end of the semester

2. Demonstrate the steps required for data preprocessing with examples eg.
   - using CodeSensor to parse c/c++ source code into a serialized AST format
   - precess for converting serialized AST to textual vectors
   - convert textual vectors into numeric vectors (compatible with ML algorithms)

3. Show the steps for training processed data using the Long Short-Term Memory networks, one of six algorithms used in the paper *"A performance evaluation of deep-learned features for software vulnerability detection"*.

4. Discuss future work with clients.
   - extract more code details to understand its output(focus on how it works and what algorithms are used to obtains the trained model)
   - collect new data and compare the results and accuracy

4. Meeting Notes, Decisions, Issues

Gantt chart currently requires too much manual input, therefore 2 different tools were proposed to replace the current excel Gantt chart e.g. Jira and Zenhub.

The Github repository Home page (README.md) and wiki section need to be updated to contains the different tools used in this project (links to other repositories), research paper referenced, a comprehensive guide on how to use the different tools, and a detailed overview of this project.

we also need to define the scope of our project by examining more research papers.

5. Action Items

Action	Assigned to	Due Date	Status
Use Jira and Zenhub for setting milestones and progress tracking	Siqi/David	21/5/21	incomplete
Update README.md and Wiki on the Git repository	David	21/5/21	incomplete
Examine additional research papers to determine scope	Everyone	21/5/21	incomplete
Run different trained models to establish a baseline for evaluating performance	Fan/Tianlei	28/5/21	incomplete