# **MEETING MINUTES - Group 8**

|  |  |
| --- | --- |
| **Date of Meeting:** <26/03/2021> | **Location:** Zoom **Chair:** Fan Zhang |
| **Minutes Prepared By:** Fan Zhang | |
| **1. Purpose of Meeting** | |

Prepare the proposal

Prepare the client meeting

|  |
| --- |
| **2. Attendance at Meeting** |
| Fan Zhang -a1738078  Siqi Sun -a1752383  David Wu- a1737845  Tianlei Qi -a1702131 |
| **3. Meeting Agenda** |

* Finish the rest part the proposal

Decide all the requirements(10 functional and 5 unfunctional)

1. Support clients upload their source code(C/C++).
2. Extract the features from clients’ source code.
3. Using trained models to evaluate the input features to predict the vulnerability of the source code.
4. Develop a metrics system to analyze benchmarks
5. Auto-generate a summary report of the results
6. Results of benchmarking should contain multiple dimensions
7. Interface with external software tools such as word2vec .etc

8.Assign a priority level to detected vulnerability, based on its severity and exploitability.

9.Support for Linux and Windows.

10.Allow easy for comparison between different detection methods so users could determine the most accurate and efficient technique.

11.Support multiple formats of the or summary report - word, pdf .etc.

Non-functional:

12.Provide an accurate comparable benchmark

13.Support large-scale projects.

14.Ensure software is maintainable and extensible ie. new features that could be easily added upon client request.

15.Ensure a user-friendly interface (ease of navigation) user could easily upload their desired project

16.The PC resources occupied when running the model should not be overutilize

* Create a high-level design for the project

1. Acquire different approaches from paper investigation
2. Replicate the approaches after filtering those approaches
3. Conduct and analyze the performance of each approaches
4. Implement our own benchmark rules
5. Establish a framework to reproduce our project

* Assign the tasks of proposal to all team members

1. What is your research question? *(1 mark) -Siqi Sun*
2. Why do you think this question is important? *(1 mark) -Siqi Sun*
3. What does previous research tell you about your question? *(2 marks) -Siqi Sun*
4. What data will you need to answer the question? *(4 marks) -David Wu*
   * + - 1. *Source code(CVE, or CVD)*
5. How are you going to analyse this data? *(4 marks)- Tianlei Qi*
   * + - 1. *Metrics / Benchmark / results*
6. Requirement and design(charts and description)(4 marks)- Fan Zhang

Weekly report summary discussion

|  |
| --- |
| **4. Meeting Notes, Decisions, Issues** |

|  |  |  |  |
| --- | --- | --- | --- |
| **5. Action Items** | | | |
| *Action* | *Assigned to* | *Due Date* | *Status* |
| What is your research question?  Why do you think this question is important?  What does previous research tell you about your question? | *Siqi Sun* | 12 Apr | In progress |
| How are you going to analyse this data? | *Tianlei Qi* | 12 Apr | In progress |
| Requirement and design(charts and description) | *Fan Zhang* | 12 Apr | In progress |
| What data will you need to answer the question? | *David Wu* | 12 Apr | In progress |

|  |
| --- |
| **5. Next meeting time 30/03/2021** |