# **MEETING MINUTES - Group 8**

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| **Date of Meeting:** <20/03/2021> | **Location:** Zoom **Chair:** Fan Zhang |
| **Minutes Prepared By:** David Wu | |
| **1. Purpose of Meeting** | |

This will be our initial requirement elicitation phase. We will dedicate this meeting for further discussion of project objectives and begin brainstorming our 10 functional and 5 non functional requirements.

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

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

Initial 8 functional requirements (we need 10 in total):

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. Support for Linux and Windows.
9. ?
10. ?

Initial 3 Non-functional (we need 5 in total):

1. Provide an accurate comparable benchmark
2. Support large-scale projects.
3. Ensure software is maintainable and extensible ie. new features that could be easily added upon client request.
4. ?
5. ?

We would also like to familiarize ourselves with the different software tools discussed during our first client meeting. Those tools will be used in the project to parse source code AST and convert to vectors.

1. Word2vec : <https://jalammar.github.io/illustrated-word2vec/>
2. GloVe: <https://nlp.stanford.edu/projects/glove/>
3. Code Sensor : <https://github.com/opendata-stuttgart/sensors-software>

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| **5. Next meeting time 26/03/2021** |

* Prepare for the proposal and begin allocating sections as soon as possible.
* Prepare for our next client meeting.
* Complete our 10 functional and 5 non-functional requirements.