

Meeting Agenda with Domain Experts

Ao Dong

November 29, 2020

1 Introduction

Presenter: [TBD —AD]

A brief introduction to the project. [To be written —AD]

1.1 About this Meeting

Presenter: [TBD —AD]

The meeting will be roughly one hour. We will follow this document and go through all the steps.

In the interest of time, some topics will only be discussed briefly during this meeting, and tasks will be assigned to domain experts to finish later. For example, Task [B.1](#) in Section [1.2](#).

We will create issues on GitHub to track the progress of the tasks. Details can be found in Appendix [A](#). The tasks can also be found in Appendix [B](#).

1.2 Project Objectives

Presenter: Dr. Spencer Smith and Dr. Jacques Carette [TBD —AD]

The overall objectives are documented in the section Overall Objective of [Objectives And Research Questions](#).

A brief introduction. [To be written —AD]

Do you have any suggestions? Feedback can be provided later in Task [B.1](#).

1.3 Research Questions

Presenter: Dr. Spencer Smith [TBD —AD]

The research questions are documented in the section Current State of the Practice Research Questions of [Objectives And Research Questions](#).

A brief introduction. [To be written —AD]

Do you have any thoughts on one of the questions - What are the “pain points” for developers working on SCS projects? What aspects of the existing processes, methodologies and tools do they consider could potentially be improved?

Do you have any suggestions? Feedback can be provided later in Task [B.2](#).

1.4 Research Proposal

Presenter: Dr. Spencer Smith [\[TBD —AD\]](#)

The research proposal is documented in [Research Proposal](#).

A brief introduction. [\[To be written —AD\]](#)

Do you have any suggestions? Feedback can be provided later in Task [B.3](#).

2 Software List

Presenter: Ao or Peter [\[TBD —AD\]](#)

In this section, we would like to discuss the list of software packages and the process of creating and shortening it.

2.1 Top 10 List

What will be the top 10 software of your choice? Feedback can be provided later in Task [B.4](#).

2.2 Domain Analysis

The domain analysis can be found in Section 3.2 of [SRS for Medical Imaging Software](#) or [CA of Lattice Boltzmann Solvers](#).

What do you think of our analysis? [\[This is too big a question for the domain experts to answer in a reasonable amount of time. Moreover, without more guidance their feedback is likely to be shallow. I think we are better off with a task based inspection, using issues assigned via a GitHub project page. We also will likely be more successful asking for reviews from grad students, rather than from faculty members. We should also consider summarizing the commonalities, variabilities and parameters of variation in tables, or possibly graphs. — SS\]](#)

2.3 Selecting Process

The process of creating and shortening the list of software packages is documented in [Ao's Notes](#) or Peter's Notes [\[TBD —AD\]](#)

What do you think of our process of selecting software candidates?

2.4 Software List

The software list is [Medical Imaging Software List](#) or Lattice Boltzmann Solver List. [TBD —AD]

What do you think of the list of the selected software?

Is there any software you would like to remove from or add to the list?

Feedback can be provided later in Task [B.5](#).

3 Qualities & Measurements

3.1 Measurement Template

Presenter: [TBD —AD]

The template for software quality measurements can be found at [Measurement Template](#).

Do you have any suggestions? Feedback can be provided later in Task [B.8](#).

3.2 Survey for Short List Projects

Presenter: [TBD —AD]

After the first round of measurement, we would like to select a short list of projects (about 5 of them for each domain) and directly ask questions to the developers.

We would like to do the selection based on the results of the first round measurement, such as selecting the top 5 ones with the highest scores. However, we can also include 1 or 2 most recommended ones from you. What do you think of this selection process?

The survey questions to the developers can be found at [Questions to Developers](#).

Do you have any suggestions? Feedback can be provided later in Task [B.9](#)

3.3 Usability Tests

Presenter: Olu [TBD —AD]

A brief introduction. [To be written —AD]

The usability test can be found at ... [TBD —AD]

Do you have any suggestions? Feedback can be provided later in Task [B.10](#)

3.4 Modifiability Experiment

Presenter:

A brief introduction.

The usability test can be found..

Do you have any suggestions? Feedback can be provided later in Task [3.4](#)

4 Publication

Presenter: Dr. Spencer Smith and Dr. Jacques Carette [TBD —AD]

- Where should we publish this paper?
- Who are our targeted readers?

5 Schedule & Team

Presenter: [TBD —AD]

- We propose to start this project from ... and finish it before What do you think?
- Our meeting schedule is ... does it fit your plan?
- We need ... extra members from your team, each working ... hours per week for ... weeks. What do you think?
- Are there any other experts you think we should keep them involved?

A Project Management Tools

We would like to use GitHub for task tracking and document version control. The repository for this project is <https://github.com/smiths/AIMSS>.

Tasks will be created as issues on the repository and assigned to individual stakeholders. An open issue usually means a task to be fulfilled, and it can be closed once it is finished. Here is an example of an issue <https://github.com/smiths/AIMSS/issues/19>.

B Tasks for Domain Experts

B.1 Review the Overall Objective

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]

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B.2 Review the Research Questions

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]

Back to Section [1.3](#)

B.3 Review the Research Proposal

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]
Back to Section [1.4](#)

B.4 Create a Top 10 List

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]
Back to Section [2.1](#)

B.5 Review the Software List

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]
Back to Section [2.4](#)

B.6 Review the Domain Analysis

[added this task as requested in AIMSS issue [56](#) —PM]

B.7 Review the AHP Ranking and Short List of Software Packages

[added this task as requested in AIMSS issue [54](#) —PM]

B.8 Review the Measurement Template

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]
Back to Section [3.1](#)

B.9 Review the Survey for Short List Projects

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]
Back to Section [3.2](#)

B.10 Review the Usability Tests

GitHub Issue: <https://github.com/smiths/AIMSS/issues> [To be created —AD]
Back to Section [3.3](#)