Focus Group Session Outline

Welcome (5 min) *(Sergen)*

- Good evening and welcome the participants
- Thank participants for their participation in our study
- Introduce the moderators
- Thank participants for letting this study be recorded in video and audio
- Participants introduce themselves

The Problem (2 min) *(Sergen)*

- What was the problem
- What we offer
- Aim of the tool
- The outcome we seek

What We Have Done (2 min) *(Sergen)*

- How does the tool operate
- Short introduction of features

Survey Questions (5 min) *(Sergen)*

- A short look for survey questions
- Part 1: Personal information
- Part 2: Opinions about effect of CIA to code review process
- Part 3: Opinions about risk score formulation
- Participants checks questions

Basic Metric Explanation (7 min) *(Sergen - Ahmed)*

- For each analysis metric:
    - What is it?
    - Why is it important?
    - How did we calculate it?

Presentation of New Pull Request (2 min) *(Ahmed)*

- Short introduction of the project "Arduino"
- Short explanation of changes in the example PR
- Create the PR and wait for analysis to be completed

Explanation of GitHub comment (15 min) *(Ahmed - Sergen)*

- Structure of call graph - Ahmed
- General information - Ahmed
- Metrics - Sergen
- Author information - Sergen
- Quality gate & conditions - Sergen
- Possible risky files - Sergen

Cloud Showcase (10 min) *(Sergen - Ahmed)*

- Explanation of Analysis page - Sergen
- PR Summary and PRs page - Ahmed
- Historic analysis page - Ahmed
- Settings page - Ahmed

Post Demo Survey (15 min)

- Participants fill the survey and ask their questions

Evaluation of Answers (5 min)

- Moderators determine questions to be asked to participants based on their answers

Focus Group Discussion (30 min)

Opening Questions
- Can you describe code review and CIA processes of your company?
- What is the atomic unit in the code review practices?
- What are the steps in these processes?

Transition Questions
- What were your general impressions about the tool?
- What will be your initial thoughts when you see the analysis result?

Key Questions
- What are your thoughts about the CIA on a PR level?

- Which granularity level will be most useful for the CIA to focus on?

Direct Questions (If time permits)

- Ask determined questions based on participants answers

Closing (5 min)
- Anything else to add?
- Thank participants for their participation