# User Study Outline

This study is designed to understand how you perceive the gist of an online code example and how you might change the example when reusing it to a target program. You will be asked to inspect a Stack Overflow code example and then create a reusable template with or without seeing other similar code mined from GitHub, i.e., experimental vs. control conditions, respectively.

1. [5 min] [Background Survey](https://docs.google.com/forms/d/e/1FAIpQLSeNFAg84jPa5MyzbDo-J9kNBGJXdY7p7-6QsdnIQKJgStgEWA/viewform)
2. [15 min] [Tutorial](https://docs.google.com/document/d/1W_QpwVTIZkJL59gzv2uUd4pjX_PzQlZwrQI8rBIpq64/edit?usp=sharing) (Q&A allowed)
3. [15 min] Experimental | Control Condition
   1. [Task I](https://docs.google.com/document/d/1aj-Zvn-lg5OJ24JFwQG1fNg-IvoTfMJTBDaR2Ha88wg/edit?usp=sharing) (compute the distance between two coordinates on earth, 12 LOC, 2 GitHub clones)
   2. [Task II](https://docs.google.com/document/d/1OnnFlawRvnpmIrTUCxivMuAd6KMXL0XM5nqQXEN8eUk/edit?usp=sharing) (get the relative path of a given file and a root folder, 74 LOC, 2 GitHub clones)
   3. [Task III](https://docs.google.com/document/d/11b3vcY09XLqaZmYiY4zW6nKw461C2risJo88AfoHoWU/edit?usp=sharing) (encode an array of bytes to a hexadecimal string, 12 LOC, 17 GitHub clones)
   4. [Task IV](https://docs.google.com/document/d/1340Qb6mYieA_xrV5aQ92JoOqerP9ZleWvrMtUCzJrY0/edit?usp=sharing) (add animation to an Android view, 29 LOC, 4 GitHub clones)
4. [15 min] Control | Experimental Condition
   1. Pick another task randomly and finish the task in a different condition
5. [10 min] [Feedback Survey](https://docs.google.com/forms/d/e/1FAIpQLScFKnUjB1Yt6UPKh7QbJKPYwg4HclDv8uRzt5f3LHmIq3dbgg/viewform)
   1. Disconnect the projector before filling the survey
   2. Ask whether the participant find it still useful even if the similar GitHub code is not directly copied from Stack Overflow

We encourage you to think out loud if you can so we can understand your thought process. Feel free to ask questions if you are confused.