Problem Statements

* 1. Problem Statements

1. There is no such existing open-source assistant system. The traditional ways are the beginners trying to google the problems by themselves.
2. The beginners who want to use an open-source platform like Github may find it difficult to use and learn coding from Github.
3. Without any mentor who can guide the beginners, the learning process would be tough and boring.
4. Although there could be some friends can help you, but some of the problems cannot be solved by them and they are not always ready for help.
5. The beginner may lose their interest in learning open-source project.

2.2 Methods used to infer problem statements

We inferred our problem statements in 3 stages:

1. First, we have read some research paper that focusing on these problems. According to Igor and Tayana[1], lack of answer and delayed answers are one of these reasons that will make the newcomers giving up.
2. Second, we have asked some friends and classmates who are learning new open-source projects. They said that the most difficult things they met when learning new projects is not completely understand the principle and the meaning of code and google them sometimes may not give the correct answer.
3. Based on the information collected from above steps, we make a list of functions. First of all, we will provide a communication platform for the newcomers and previous contributors. Secondly, making a chatbot that could response easy questions from the newcomers which could reduce the pressure of the contributors.

Steinmacher, I., Conte, U.T., Gerosa, A.M. and F. Redmiles, D. Social Barriers Faced by Newcomers Placing Their First Contribution in Open Source Software Projects(CSCW), ACM New York(2015), 1384-1385.