1. Introduction
   1. Background

Beginning software developers often encounter many problems while browsing open source sites to learn about programming. Nevertheless, because existing synchronous communication technologies (such as voice chat) have high scheduling costs, and asynchronous communication tools (such as BBS) require developers to carefully describe their code context in order to produce useful responses, these open source sites often do not contain problem solving modules. Those problems which can be solved immediately could become an obstacle for beginners.

* 1. Vision Statement

Our goal is to develop a website extension based on an open source site that automatically returns an explanation based on the number of lines of code the developer asks. If the questioner is not satisfied with the answer, they can use the online question and answer function to get further explanation of the code from the engineer.

* 1. General goals

·To implement the online question module, the questioner sends the number of lines of the question and the detailed description of the question to the responder. The respondent returns the explanation of the question immediately. The questioner can ask the question many times until the problem is solved perfectly.

·To implement the automatic reply module, it replies according to the key words in the question. This module trains the answer by machine learning algorithm, similar to the implementation of chatbot.

Personal goal: Front-end designer, develop the interface of the extension.