
MEMO

TO: POWERSUIT-WEARING MANAGER'S MANAGER
FROM: MAX BATTY & PHAELYN KOTUBY
SUBJECT: PROGRAMMING LANGUAGE CHOICE FOR SUPER-HOT PROJECT
DATE: JANUARY 15, 2016

Ms. Manager's Manager:

We, the Amazing Programming Team, would like to make a recommendation regarding the programming language and internal development environment (henceforth referred to as the "IDE") for the upcoming super-hot project.

We believe that Python 2.7 would be a suitable candidate for this project. It includes the following features:

- Support for modules, which allows us to break projects into smaller/easier pieces
- Automatic unit testing in the form of the `unittest`/`PyUnit` library
- JSON support in the `json` library
- TCP/IP socket support with the `socket` library
- Graphical user interface ("GUI") construction with `tkinter`

It also includes rich library support and is pre-installed on our first customer's existing infrastructure. Best of all, we're already somewhat familiar with the language's syntax. All of these aspects will ensure that our project can get started quickly, grow with ease, and change to face any new challenge that may arise.

The IDE we've chosen is JetBrains' PyCharm. It has plugin support, allowing our developers to customize their experience to better fit their needs, as well as an internal debugger, code completion, and high-quality syntax highlighting. Using PyCharm will vastly improve productivity on this project.

We thank you for taking the time to consider our suggestions and hope they are satisfactory.