Team: McBain Fire Alarm

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Part 0:

Language: Python

Platform: Mac OS

Part 1:

Our team wants to work on a plugin for an already existing text editor named Sublime Text. The

purpose of this plugin is to allow users of the popular version control platform GitHub to view the

GitHub Issues and code review comments on any open pull requests in their GitHub repository

within the user interface of the Sublime Text editor. The plugin will extend an existing source

version control plugin to avoid writing code to commit, push, monitor and sync the repo state.

The creation of this plugin will require a permanent data store that can store user credentials,

and preferences for how their GitHub Issues and code review comments will be presented to

avoid users having to set up their preferences every time on startup. Additionally, this plugin will

make use of API's heavily, specifically the Sublime Text API and the GitHub API. The Sublime

Text API will be used to build the base plugin to ensure compatibility with the Sublime Text

Editor Platform. The GitHub API will be used to retrieve the user's GitHub information, including

but not limited to their GitHub issues, pull requests, code review comments, and commits.

Part 2:

<Front end>: As a <software developer>, I want <to query all of my open issues on a GitHub repo> so that <I may view them in the Sublime Text editor>

My conditions of satisfaction are <

       The plugin can login to a GitHub repo,

       The plugin can query GitHub Issues,

       The plugin can query GitHub Issues assigned to me,

       The plugin can query GitHub Issues which are open,

       The plugin can query the Github repo's pull requests and their status,

       The plugin can query the Github repo's pull requests commits and comments.

       >

<Front end>: As a <software developer>, I want <to be able to open and close GitHub Issues, Pull review commit coments in my Sublime Text editor> so that <I don't have to open GitHub.com in a browser to close or view the issue there>

My conditions of satisfaction are <

       The plugin can query open GitHub Issues and pull review comments,

       The plugin can close an open GitHub Issue,

       The plugin can submit responses to comments on open pull requests,

       The plugin can read GitHub Issues in the Sublime Text Editor,

       The plugin can close a GitHub Issue in the Sublime Text Editor

       >

<Front end>: As a <software developer>, I want <to be able to add comments, open new GitHub Issues in my Sublime Text editor> so that <I don't have to open GitHub.com in a browser to add new issues, comments there>

My conditions of satisfaction are <

    The plugin can send data to a GitHub repo,

    The plugin can submit comments to open pull requests,

    The plugin can add new GitHub Issues to a GitHub repo

    >

<Front end>: As a <software developer>, I want <to be able to save my user credentials> so that < the plugin can automatically login to my GitHub.com account>

My conditions of satisfaction are <

    The plugin can query a database (SQL or NoSQL tbd),

    The plugin can insert data into a database,

    The plugin can prompt the user for credentials,

    The plugin can verify user credentials

    The database stores the data persistently (in-memory, commitlog, etc.)

    The plugin can make an oath authentication request to GitHub

    >

<Front end>: As a <software developer>, I want <to be able to change the layout of how GitHub

Issues are presented to me in the Sublime Text editor > so that < I can interact with my GitHub

Issues according to my preferences.>

My conditions of satisfaction are <

       The plugin can query data pertaining to the layout of text in Sublime Text Editor,

       The plugin can modify data pertaining to the layout of text in Sublime Text Editor

       >

<Front end>: As a <software developer>, I want <to be able to save the layout preferences of

how GitHub Issues are presented to me in the Sublime Text editor> so that <I do not have to set

up the configuration on each startup>

My conditions of satisfaction are <

       The plugin can query a database,

       The plugin can insert data into the database,

       The database stores the data persistently

       >

NB: GitHub Issues may include but not limited to code review comments to pull requests and

subsequent commits to that particular pull request.