Name: Charlie Mayo

Company: Deep Blue C Technology Ltd

Line Manager: Ian Mayo

Line Managers Contact Number: 01329 239137

Line Managers Contact Email: ian@DeepBlueC.com

**Deep Blue C - Agile Metrics Dashboard**

**Project Description:**

All Deep Blue C software projects are hosted on GitHub, where GitHub captures a lot of timestamps during the project's lifetime. This includes the creation and maintenance of:

* Bug Reports
* New Features
* Pull Request

We think that these metrics may be useful, based on this data, in judging the performance of development teams.

Develop an application that provides a range of GitHub project metrics. It should be possible to target the application at a specific GitHub repository, and also to be able to filter on a GitHub issue label.

**Deliverables:**

Recommendation of what metrics to be provided, plus mockup of UI.

An application that can provide a range of GitHub project metrics.

**Number of people involved:**

There will only be two people involved in this project, myself and my line manager.

**Anticipated requirements:**

The application must be able to target the application at a specific GitHub repository.

The application should filter on a GitHub issue label.

The project should look into what data is available for GitHub issues & pull requests.

The project should consider what performance metrics can be derived from that data.

The project should consider what components/systems are needed, and what technologies are used for those components.

The application should be Open Source in a public repository.

**Technical complexity involved:**

I have some of experience in these tasks:

* Standalone web-app
* Connect to GitHub API
* Extract data from GitHub API
* Present metrics in text or graphics

I do not have experience in these tasks:

* Understand data available from GitHub
* Identify usable metrics of value to Deep Blue

**Anticipated duration and other resources:**

Two and a half days per week for the duration of the course available for this task, plus some support from line manager in usable metrics.