Project name
Canvas GitHub and Analytics Integration Program

Team members
Bedwell, Christian
Bedwell, Hunter
Boatwright, Ivan
Diaz, Julieth * *Team Manager*

Canvas GitHub and Analytics Integration Program consists of the integration of two services to FGCU Canvas Infrastructure: GitHub and a (software) project analytics reporting system. Firstly, we will integrate GitHub account to canvas account association which will include content submission options. Secondly, we will create a project analytics and reporting system that will provide details of user contributions to assigned projects. Primarily, this will provide a new metric for instructors to assess project progress and individual user contributions. Alternatively, this can give users a method for gauging their progress on properly configured assignments.

With the integration of GitHub, we aim to make online software programs' submission simpler and less error-prone. The main purpose of this integration is to allow students to submit assignments directly from their GitHub accounts. This will allow for custom file export from GitHub, such as file selection, compression and custom naming as per instructor requirements. With GitHub authentication credentials bound to Canvas user accounts, it will be possible to submit files from private repositories.

The analytics and reporting system will provide a standard API for modular integration of data sources. The first data module will pull from GitHub. The main purpose of integrating a project analytics and reporting system is to track individual user's collaboration as part of a group and to allow professors to view these data, which could be useful in the long run. Most of the time, other than through peer reviews, there is no way for professors to know each individual's contribution and effort for group projects that require computer coding. With GitHub added to Canvas, professors would be able to visualize the lines of code added and deleted by each group member, in addition to their commits as well as other useful metrics.
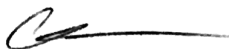
Client
Steiner, Chris
Systems Engineer, Academic and Event Technology Services
Reed Hall 130
csteiner@fgcu.edu

Mr. Steiner lives in Naples with his wife and two children. He graduated from Florida Gulf Coast University (FGCU) in 2011 with a bachelor's degree in Computer Science. He started working full time for FGCU during his senior year in 2011 as a Multimedia Specialist in the university's Academic and Event Technology Department. A few years into his job, he inherited the role of Systems Engineer and took over as the Canvas Administrator for FGCU. He has also created the inventory management system for the AETS inventory, called Atlas. Atlas was built with .Net and uses the Bootstrap Foundation and Ajax to deliver a web based management system.

Client signature   *Date*

_____   __1·18·18_____
Chris Steiner