Client

Ryan Countryman, Core Software Developer

Company Background

Aventura was born in a Denver hospital IT department that completed a desktop virtualization project.

With an understanding of how technology needs to work for the people who deliver clinical care, Aventura built a universal architecture that reaches into all computing layers, creating an architecture that integrates OS, virtual desktops, applications, policy, and printers. Our software is deployed to hospitals nationwide and provides clinicians with a desktop that is aware of where they are, who they are, and what they need to be efficient and deliver quality care (and does it Jimmy John's fast).

Project Overview:

Currently we use Rally web based software to manage our Agile software development process. We (and by "we" I mean myself) have developed a time tracking tool that was designed to make time entry easier. However, it is buggy and could use a facelift so that developers actually use it to track their time. This project includes interacting with Rally's RESTful API. The time tracker is currently developed in .NET 4.0 using WinForms.

Project Goals

Students will be required to develop an application that allows time to be tracked against Tasks in Rally using the RESTful API.

- Create an application using .NET (WinForm, WPF, MVC, MVVM, or even web based if you are so inclined)
- Refactor and maintain existing code as needed
- Generate prototypes and requirements based on feedback from Aventura employees who will use the application
- Write unit tests that verify functionality of different modules

Skills Required

- Software Development, specifically .NET (C#)
- Knowledge of Agile Software Development process conventions
- Ability to learn and adapt

Student Benefits

This project will give the students experience and knowledge with:

- Architecting and building a software application
- Practical .NET experience
- Interfacing with third party software APIs
- Real world project that can be completed in 6 weeks

Location

Students will be expected to spend most of their time at the Aventura office which is in downtown Denver.

Contact

Please contact Ryan Countryman (Ryan.Countryman@aventurahq.com; 720-289-5001) with any questions you have regarding this project.