Release Plan

**Product Name**: Arduino Micro-Controller for Electric Vehicles

**Team Name**: Dream Team

**Release Name**: 1

**Product Owner**: Alejandro Aguilar

**Project Sponsor**: tedeast@ucsc.edu

**Release Date**: 12/10/2014

**Revision Number**: 0.1

**Revision Date**: 10/15/2014

**High Level Goals**:

* Transform proprietary microcontroller capabilities of electric vehicle into open source code for the Arduino microcontroller.

**User Stories**:

* Sprint 1
  + Objective: Detect inputs
  + (13) User Story 1: Analyze existing drivetrain technology
  + (5) User Story 2: Detect Joystick sensor and buttons on it
  + (5)User Story 3: Detect vehicle speed sensor
  + (7)User Story 4: Detect hydraulic system pressure
  + (5)User Story 5: Detect the lean and steer of vehicle
  + (3)User Story 6: Detect break sensor
* Sprint 2
  + Objective: Control outputs
  + (13) User Story 1: Control 3 hydraulic pumps
  + (5)User Story 2: Use motor control signal
  + (1) User Story 3: Control pump switch
  + (1) User Story 4: As a user of the system, I must be able to read a user manual of the arduino micro controller
* Sprint 3
  + Objective: Use inputs to generate appropriate output
  + (5) User Story 1: As a tester, I need to be able to do software builds and run regression tests.

**Unanswered Questions**: How to access and analyze the existing infrastructure?