**System Architecture Diagrams**:

Created ER diagram

No changes to UML diagram

No changes to High level architecture

**Updated Risk Table**:

See “Risk Table.xlsx”, Tab: Sp2

**Project Review**:

* Nov 10, 2014 - 4:15 to 5:30
* Bryan Allen, Daniel Grote, Zach Smith, Mark Grinter, Anne Werner
* Discussion:
  + We demoed what was accomplished in sprint 1. Mark and Anne had no complaints.
  + We discussed how we wanted the graph formatted including:
    - colors
    - backgrounds
    - dates and times
    - metric/standard switch
    - different graph views
    - tooltip info
  + concrete temperature input.
* Decisions:
  + Client chose to have a background display colors to indicate safe/warning/unsafe conditions instead of coloring the line.
  + Client wanted the metric standard switch to be available at any time.
  + Client did not want different hour views for the graph
  + Client wanted weather data to be shown on the tooltip
* Follow up actions:
  + Include the decisions in sprint 2 planning
  + Update Project Spec and Plan with new requirements

**Updated Project Plan**:

See Project Plan v1.0.1

**Create Sprint Backlog:**

See Backlogs.xlsx, tab: Sp2

**Updated Agile Use Cases:**

No changes to Use Cases

**Updated Sprint Backlog:**

See Backlogs.xlsx, tab: Current

**Test Plans:**

* **T**ask 1: Add colors to graph background
  + Unit testing
    - Test Cases:
      * 1) If all data is in green section
        + Expected Result: Green and part of the yellow section visible
      * 2) If all data is in yellow section
        + Expected Result: Yellow section appears with part of green and red sections visible
      * 3) If all data is in red section
        + Expected Result: Red section appears with part of yellow section visible
      * 4) If all data is in yellow and green section
        + Expected Result: Yellow and green section displayed with part of red section visible
      * 5) If all data is in yellow and red section
        + Expected Result: Yellow and red section displayed with part of green section visible
      * 6) If all data in in green and red section
        + Expected Result: All colors are displayed
      * 7) If all data is in all 3 colors
        + Expected Result: See test case 6
      * 8) If data has negative numbers
        + Expected Result: See test case 1
* Task 2: Add option for inputting concrete temp
  + Unit Testing different concrete temp boundary of -50 to 150 (in fahrenheit)
    - Test Cases:
      * If left blank
        + Expected Result: concrete temp set to air temp
      * >150
        + Expected Result: Doesn’t Work
      * <-50
        + Expected Result: Doesn’t Work
      * Characters
        + Expected Result: Doesn’t Work
      * -50
        + Expected Result: Works
      * 150
        + Expected Result: Work
      * 75
        + Expected Result: Works
      * 12.401234153
        + Expected Results: Doesn’t work
* Task 3: Show weather variables when hovering over a point and add metric conversions
  + - See integration testing
* Task 4: Improve input and output UI
  + Test to see if UI looks the same on IE, Firefox, and Chrome.
  + Date is correctly formatted Month-Day-Hour
* Task 5: Validation of zip code
  + Unit Testing
    - Test Cases:
      * Leave blank
        + Expected Result: Doesn’t Work
      * 6 digits long – 123456
        + Expected Result: Doesn’t Work
      * 4 digits long – 1234
        + Expected Result: Doesn’t Work
      * Characters
        + Expected Result: Doesn’t Work
      * Invalid 5 digit zip code – 11111
        + Expected Result: Submits but page reloads because of invalid zip.
      * 620.34
        + Expected Result: Doesn’t Work
      * 6203.4
        + Expected Result: Doesn’t Work
      * 62,034
        + Expected Result: Doesn’t Work
* Integration testing
  + Input form, calculation, metric, graph output
    - If concrete temp is blank it needs to bet set to air temperature
    - Metric calculations displayed on graph output when desired
    - Weather variables are correctly displayed in tooltip
* Performance testing
  + Test to see that the graph takes less than 5 seconds to load