**System Architecture Diagrams**:

See UML Diagram 1.2

See ER Diagram 1.2

**Updated Risk Table**:

See “Risk Table.xlsx”, Tab: Sp4

**Project Review(minutes)**:

* Monday Jan 2nd 2:00 – 3:00
* Daniel Grote, Zach Smith, Mark Grinter
* Discussion:
  + We demoed what was accomplished in sprint 3.
  + Discussed the graph:
    - Colors
    - Labels on changing concrete/wind speed
    - Tooltip
    - Dates and times
    - Vertical lines above start of day
  + Speed temperature
    - New functionality (changing the wind speed for one date and time)
    - A new way to get the concrete temp
      * Splitting NA into 10 zones separated by latitude lines and then using preset temps for these areas
* Decisions:
  + Clients want the following changes/additions:
    - Try to get avg temp of zip or region to be used for the concrete temp
    - Add page with explanations of how the calculation was done, where the weather data is coming from, etc.
* Follow up actions:
  + Update Project Spec and Plan with new requirements
  + Mark is researching more into concrete temp to get a better idea on how to predict it by the latitude zones discussed in the meeting

**Updated Project Plan**:

No updates to the project plan

**Create Sprint Backlog:**

See Backlogs.xlsx, tab: Sp4

**Updated Agile Use Cases:**

See project spec 1.0.7

**Updated Product Backlog:**

See Backlogs.xlsx, tab: Current

**Test Plans:**

* **T**ask 1: Testing Plot band titles
  + Unit testing
    - Test Cases:
      * For data in Green (low risk) section
        + Expected Result: Only LOW RISK plot band title shows
      * For data in yellow (med risk) section
        + Expected Result: Only MODERATE RISK plot band title shows
      * For data in red (high risk) section
        + Expected Result – Only HIGH RISK plot band title shows
* Task 2: Testing resizing page bug
  + Unit Testing
    - When resizing page the colors of the points do not change
* Task 3: Testing time labels
  + Unit testing
    - Ensure that the correct time shows and accounts for time zone differences
* Task 4: Changing wind/concrete temperature in std and metric
  + Black box testing
    - Test Cases:
      * Concrete temp/ evaporation rate/ wind speed/ and point on graph is updated correctly.
* Task 5: Boundary for changing concrete temperature or wind speed in metric or standard
  + Unit Testing
    - concrete temp boundary
      * 45 to 115 (in Fahrenheit)
      * 7.22 – 46.11 (in Celsius) and can enter up to two decimals places.
    - Wind speed
      * >= 0 for Celsius and Fahrenheit
      * **Need to ask client what the max boundary for wind will be**
* Task 6: Validate create account form
  + Name
    - Not required
  + Email
  + Password
* Task 7: Validate creating a new project
  + Project Name
    - If empty it is set to zip code