Sprint 10 Planning - Part 2

**3/18/2022 - 4/18/2022**

**Capacity Estimates:**

* Individual:
  + Colin: 24 story points
  + Leon: 22 story points
  + Orion: 18 story points
  + An: 15 story points
  + Andy: 20 story points
* **Total: 99 story points**

**Updated Story Point Estimates:**

* Individual
  + Feature – Hazard Restrictions: 19
  + Feature – Map Overlay: 17
  + Feature – Map Directions: 21
  + Feature – Hazard Labels: 18
  + Feature – Safety Analysis: 14
* **Total**: **89 story points**

**Feature – Hazard Restrictions**

* **Original Story Point Estimate:** 20
* **Assigned to:** Colin
* **Task Breakdown:** 
  + Research
    - Individual story point estimate: 5
  + Draft Initial LLD Sequence Diagrams
    - Individual story point estimate: 4
  + Create database tables for reported hazards
    - Individual story point estimate: 3
  + Design and implement re-routing algorithm:
    - Individual story point estimate: 4
  + Testing
    - Individual story point estimate: 3
  + **Updated Story Point Estimate: 19**

**Feature – Map Overlay**

* **Original Story Point Estimate:** 18
* **Assigned to:** Leon
* **Task Breakdown:** 
  + Research
    - Individual story point estimate: 5
  + Implement MapBox API frontend
    - Individual story point estimate: 4
  + Draft initial LLD Sequence Diagrams
    - Individual story point estimate: 3
  + Implement user controls for overlays
    - Individual story point estimate: 3
  + Testing
    - Individual story point estimate: 3
  + **Updated Story Point Estimate: 17**

**Feature – Map Directions**

* Original Story Point Estimate: 22
* **Assigned to:** Andy
* **Task Breakdown:** 
  + Research
    - Individual story point estimate: 5
  + Setup built-in navigation from MapBox API
    - Individual story point estimate: 3
  + Draft initial LLD sequence diagrams
    - Individual story point estimate: 3
  + Setup parameters to allow user waypoints:
    - Individual story point estimate: 4
  + Integrate waypoints to MapBox navigation routing
    - Individual story point estimate: 3
  + Testing
    - Individual story point estimate: 3
  + **Updated Story Point Estimate: 21**

**Feature – Hazard Labels**

* Original Story Point Estimate: 18
* **Assigned to:** Orion
* **Task Breakdown:** 
  + Research
    - Individual story point estimate: 4
  + Draft initial LLD sequence diagrams
    - Individual story point estimate: 4
  + Create Database schema for hazard types
    - Individual story point estimate: 3
  + Setup frontend UI for hazard reporting
    - Individual story point estimate: 3
  + Testing
    - Individual story point estimate: 3
* **Updated Story Point Estimate: 18**

**Feature – Safety Analysis**

* Original Story Point Estimate: 16
* **Assigned to:** An
* **Task Breakdown:** 
  + Research
    - Individual story point estimate: 4
  + Draft initial LLD sequence diagrams
    - Individual story point estimate: 3
  + Implement user statistic calculations
    - Individual story point estimate: 2
  + Setup frontend menu UI
    - Individual story point estimate: 2
  + Testing:
    - Individual story point estimate: 3
* **Updated Story Point Estimate: 14**