***WORK PLAN***

**Deliverable 2 – Design Specification and Prototype (8%) (due February 26)**

5 1.5-hour meetings:  15, 18, 19, 25 and 26 of February. The iteration should be complete by the 25th of February. The 26th will be for final polishing.

Main goals:

* 1- Description of architecture and proposed solution. 2- Prototype for “plant tree” and “cut down” using Spring and Android. 3- Prototype for “list all trees” using Spring and web. 4- Sequence diagrams for “plant tree” and “List all trees”.

Use cases to be addressed:

* UC1: Primary actor successfully report planted tree. UC2: Primary actor successfully report cut-down tree. UC7: List all trees or a subset. UC8: plot all trees or a subset.

**Deliverable 3 – Quality Assurance Plan (5%) (due March 14)**

4 1.5-hour meetings: 1, 10, 11 and 14th of March. The iteration should be complete by the 11th of March. The meeting on the 14th of March will be for finalizing minor details.

Main goals:

* Description of testing (unit, component and system)

Use cases to be addressed:

* All use cases.

Bonus:

* 1- Finalize forecasting model. 2- Implement “mark to be cut down” and “mark diseased” using Android and Spring. 3- Implement data loading from the xml files.

**Deliverable 4 – Release Pipeline Plan (5%) (due March 25)**

3 1.5-hour meetings: 17, 18 and 25th of March. The iteration should be complete by the 25th of March. Main goals:

* Release pipeline.

Use cases to be addressed:

* No specific use cases.

Bonus:

* 1- Implement the forecasting model and sustainability calculations. 2- Implement “update tree data” within the database. 3- Implement “locate all trees” (or subset) and “locate a single tree” on the map.

**Deliverable 5 – Presentation (8%) (scheduled on April 03)**

3 1.5-hour meetings: 31/3, 1 and 2nd of April. The presentation should be ready by the 1st of April. The 2nd of April will be for practicing.

Main goals:

* prepare and practice the presentation.

Use cases to be addressed:

* No specific use cases.

**Deliverable 6 – Final Application (12%) (due April 11)**

5 1.5-hour meetings: 5, 6, 7, 8 and 9th of April. The full implementation should be ready by the 8th of April. The 9th of April will be for code revision.

Main goals:

* 1- Full implementation of code. 2- Peer revision of code. 3- Final round of testing. 4- If time permits: additional features.

Use cases to be addressed:

* All use cases.

***ITERATION 1****:*

**MAIN TASKS AND LEADERSHIP ROLES:**

* Ahmed: Use Case descriptions and Activity diagram.
* Fouad: State chart and Actor and Use cases diagram.
* Imad: Domain Model
* Nada: Functional and non-functional system requirements.
* Aljulanda: Requirements and work plan.

Each team member worked at least 6 hours (3 work sessions 2 hours each) during this iteration.

**Key Decision:**

* 1- Architecture of persistence layer. 2- Additional features to be implemented. 3- Sustainability attributes.

**MEETINGS LOG:**

* 7/2/2018. Discussed the project in general. Assigned tasks. Finished Umple model and requirements.
* 10/2/2018.  Worked on use case diagrams, traceability and specifications. Finished requirement level activity diagram.
* 11/2/2018. Finalized domain model.  Worked on statechart of Tree class.