Deliverable E

**Project Plan**

**Prototype 1:** March 8th

* We will make this from basic household material, such as popsicle sticks, straws, and paper.
* Estimated time: 2 hours-4 hours

**Prototype 2:** March 15th

* We will start using actual obtained materials to build prototype
* Estimated time: 1 week

**Prototype 3:** March 29th

* Add the important components into our 2nd Prototype, such as the solar panel, battery, and water pump.
* Estimated time: 1 week

**Design Day:** March 26th

* System should be completed and ready to present.
* We need to ensure everything works flawlessly before this date.

**Materials Obtained and Required**

**Obtained**

* 24 feet PVC pipe with predrilled holes
* 15 feet flexible tubing
* 12 volt water pump
* 12 volt solar panel

**Required**

* Plastic cups x18 ($0.50 each) = $9
* Water storage bucket x1 ($5.00) = $5
* Plant nutrients = $10
* 12 volt battery = $30
* Split valve = $5.00
* 12 volt water pump = $25

**Total Estimated Cost of Project:** Around $85