**/\* Assignment No: 2**

**\* Course No : COEN 275**

**\* Question 2 : CRC cards**

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**CRC card 1: For the class SprinklerSystem:**

|  |  |
| --- | --- |
| Class Name: SprinklerSystem | |
| Responsibility | Collaborator |
| Sprinkler System is main class  Invokes all the classes by its reference | ConfigurationManager  Sprinkler  DataManager |

**CRC card 2: For the class ConfigurationManager:**

|  |  |
| --- | --- |
| Class Name: ConfigurationManager | |
| Responsibility | Collaborator |
| Verification of the Pin  An UserInterface for the user view the status and configurations of the system  The schematic layout is mapped from reading the values from the configuration file  Graph displays the amount of water used | Sprinkler  DataManager |

**CRC card 3: For the class Sprinkler:**

|  |  |
| --- | --- |
| Class Name: Sprinkler | |
| Responsibility | Collaborator |
| Select the individual or group of sprinklers  Select time, date and schedule the sprinkler  Schedule the sprinkler with weekly schedule that is already predefined  Weather is set the individual or group of sensors selected  Enabling and disabling the system  The system under maintenance are repaired |  |

**CRC card 4: For the class DataManager:**

|  |  |
| --- | --- |
| Class Name: DataManager | |
| Responsibility | Collaborator |
| Sprinkler schedules, the temperature sensor information, the water flow level of the system are maintained | Sprinkler |