**SOFTWARE ENGINEERING (CSYM026 – SPR)**

**WORK PLAN**

## 1) Stage 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **Iteration/Phase** | **Task** | **Assigned to** | **Status** |
| 1 | Planning | Identify all classes and properties |  | d |
| Decide on data structures for each property |  | d |
| Collection fee calculation |  | d |
| Agree on naming conventions |  | d |
| List all methods for each class |  | d |
| Draw UML diagrams |  | To do |
| Create data files |  | To-do |
| Create work plan | Airat | In progress |
| Divide coding tasks |  |  |
| 2. | Development  (define & assign coding tasks) |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 3. | Testing  (list & assign) | Identify most important classes & methods to test |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 4. | Documentation | Create group report |  |  |
|  |  | Summary of decisions (on data structures, fields format, collection fee calculations, etc) |  |  |
|  |  | Technical report aspect |  |  |
|  |  | Development report |  |  |
|  |  | Zip files + short description to clone repo |  |  |

**22nd March 2023 – Meeting**

**Collection fee calculation**

Number of days spent in depot

* less than or equal to 7 days : £15
* greater than 7 days: £20

Weight (deduct fees):

* 0 – 5 kg: £7
* - 15 kg: £5
* - 32 kg: £3
* > 32kg: no deduction

Parcels starting with “C”: untracked – 10% off

Parcels starting with “X”: tracked – no discount

processCollection() method: creates a collectedParcel object, adds it to a collectedParcelList object, updates the collected field of the Parcel object itself to true,

**23th March 2023 – Update**

**Creation of Customer and Parcel Data**

The files of parcel data.csv was created with the details of the parcels in possession and also the details of random customers with different sequence numbers were created with assigned parcel IDs.