**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,