Village Laundry System

TFB1033 – Object-Oriented Programming

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**Submitted by**

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**PROJECT\_TITLE: Village Laundry System**

**PROJECT\_OBJECTIVES:**

* Designing a real-time system that allows users to do laundry efficiently via a laundry system that enables them to select the service (washing/drying) with desired settings.
* Through this system, users are able to check availability status of the machines (washer & dryer), which saves them time instead of checking the availability (vacant/occupied) in person.
* Users can also check balance in their account to proceed with payment transaction.
* To display automatic timer feature that the system is equipped with, which user can monitor the remaining time left of the washing/drying cycle without needing to set the timer manually on the clock or remember to set it.

**PROJECT\_DETAILS**

* System requires user to sign in or login into their account and enables user to check if balance is enough for transaction.
* Display machines (washer & dryer) availability status for user to select from. User can also choose the setting (e.g. low/medium/full water, normal/delicate washing, drying at high/low temperature etc.).
* Calculation to deduct a certain amount from user’s balance based on their selection and user can also add money to their balance if not enough for transaction.
* Machine starts once transaction is successful and automatic timer begin its countdown, which is displayed on user’s interface.
* After 30 minutes, timer will go off indicating washing/drying cycle is complete.
* Machine then detects its vacancy and updates and displays its availability status for other users.