

E-Trash: Online Waste Report Collection and Management System

Features	Description	Rank (Functionalities)	Time (Day/s)
<u>System Login</u>	Before entering into the system, the user needs to provide authorized access with the use of username and password respectively. For the admin login, there is only one user with the admin control and the highest class and top priority. For the barangay staff login, only admin have the power to create or add users with staff class and the rest are identified as residents. All login modules are a high priority feature.	High	4
<u>Creation of Barangay Staff Account</u>	The creation of the Barangay staff account can only be done in the admin module. It is also a top priority because without respective staff in each barangay, there is no connection between the admin as a waste collector to its residents.	High	3
<u>Admin Notification Page</u>	As part of the request that Barangay staff send to admin, all requests are on the list of notifications which is needed in analyzing and modifying the priority schedule of waste collection. It is a top priority for the admin to have a better notification page in order to produce a modified schedule for waste collection.	High	6
<u>Schedule Update Page (Admin)</u>	The schedule update page as a feature for the admin class, this serves as the collection of	High	8

	schedules that identify the date and the location of waste collection respectively wherein admin can modify changes when priority request has been approved in a barangay. It is also one of the top priorities in the system.		
<u>Request Message Feature</u>	For the residents or individual class, this feature allows them to send messages to specific barangay staff in order to request prioritization for the waste collection. This message includes the location or area to be prioritized and the description. For the Barangay staff class, this allows them to send direct prioritization requests to the admin for further modification in the waste collection schedule.	High	6
<u>Schedule Update Page (Residents and Staff)</u>	For residents and staff, this feature only shows the specific schedule of waste collection for a specific month which is relatively connected to the received notification with regards to the changes and schedule from the admin. It is an example of a medium priority feature.	Middle	7
<u>Account Setting Feature</u>	This feature includes the logout button and the capability of the user to change their password. It is part of the medium priority features.	Middle	4

Approach and Technologies

For the approach, the researchers will be using the descriptive-developmental method in the study. Descriptive research uses a quantitative research method by collecting quantifiable information concerning about the current status of the study. The purpose of using descriptive method is to determine average and frequencies of the data and information gathered. While developmental method is to be used, this study can help in developing a waste management system named E-Trash: Online Waste Report Collection and Management System. Also, the system will be using the Agile process model in developing and finishing the waste report and management system. The model consists of five cyclical phases: Brainstorm, Design, Development, Quality Assurance and Deployment. Lastly, for creating our database, researcher will use MySQL using XAMPP web editor.

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