Exception Handler Application

Exception Handler is a centralized repository of the common exceptions thrown in an application. All exceptions which are cutting across multiple modules and have common actions are managed by this handler.

# Overview

Application helps to handle boilerplate actions like sending SMS, logging data in a log file etc. for exceptions thrown in an application.

Application is supposed to be dynamic, and it should accommodate new exceptions and change in the actions for existing exceptions without disturbing production environment. In other words, exceptions and their actions should be configurable.

Assume that there are 4 modules, **each module has 3 exceptions** and **at least one exception needs to have more than one action**.

* Milestone #1: Class design
* Milestone #2: Reading the exception configurations in the code
* Milestone #3: Final POC

## Points to consider

* #1: The library needs to serve a project which has multiple modules; modules can have multiple exceptions and an exception has one or more actions.
* #2: Whenever an exception occurs in the module and if that exception is part of the library, then it needs to be handed over to the handler. Handler will take appropriate action.

# Expected LEarning

Participants will learn following concepts from this assignment

* How to implement Factory design pattern and Façade Design pattern.
* XML Parsing
* Managing Configurations using XML

## Project Phases

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| --- | --- |
| Phases | Description |
| Phase #1 | Develop application |

|  |  |
| --- | --- |
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## Timeline for Execution

Key project dates can be outlined below. Phase duration is best guess estimate and may vary based on performance and caliber of the participants.

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| --- | --- | --- | --- |
| Description | Start Date | End Date | Duration |
| Phase 1 |  |  | 3 days |