



Email Notifier

CS665 Final Project
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Functions

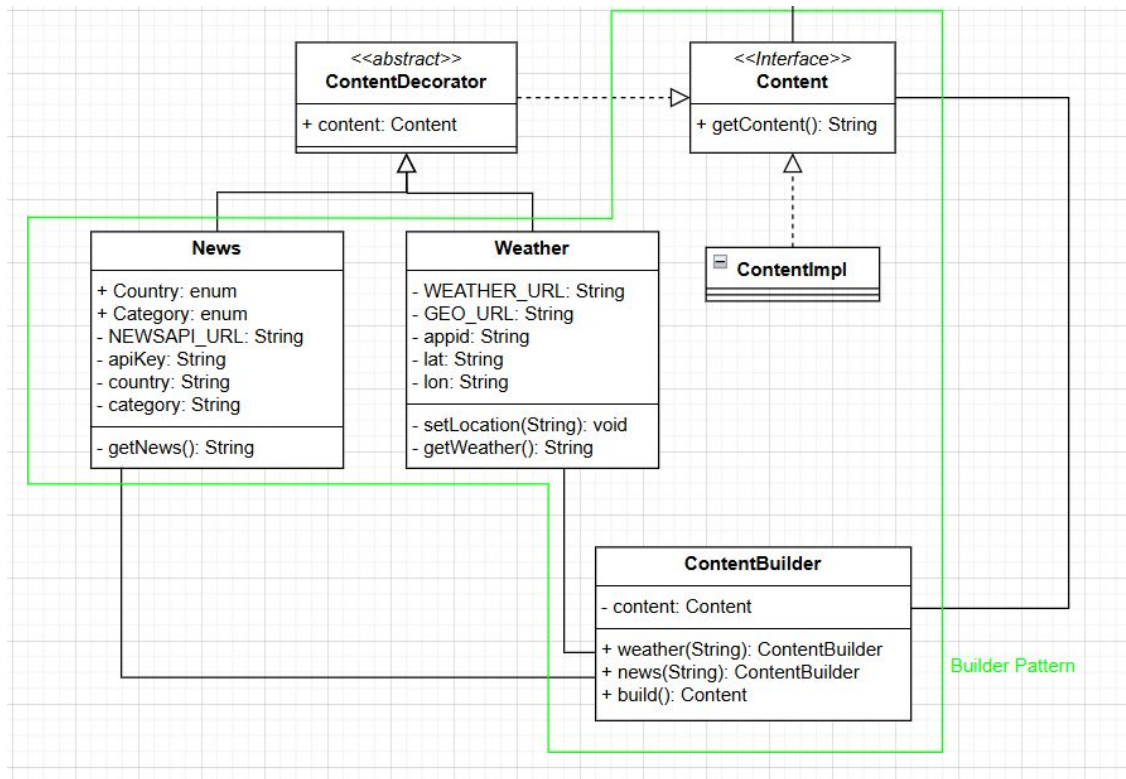
- Scheduled email at fixed time
- Customized Content of notification
 - Weather
 - News
 - Any thing that updates in a certain time like...
 - Instagram
 - YouTube
 - Events

Design Pattern

- Observer Pattern
 - For notify when to send out emails
- Decorator Pattern
 - To construct different content based on need
- Builder Pattern
 - To simplify the process of building content

Builder Pattern (C)

- Similar to Facade
 - Reduce the complicity
- Construct a object by part
 - Each part can be different



```
Content content = new ContentBuilder()
    .weather(zip:"02171")
    .news(News.Country.UnitedState.country, category:"")
    .news(News.Country.Taiwan.country, category:"")
    .news(News.Country.Japan.country, category:"")
    .build();
```

VS.

```
Content content = new News(
    new News(
        new News(
            new Weather(new ContentImpl(), zipCode:"02171"),
            News.Country.UnitedState.country,
            category:""),
        News.Country.Taiwan.country,
        category:""),
    News.Country.Japan.country,
    category:"")
);
```

Demo

