JieMeiTao Product-Uploader system

Phase 1 : 2-3 weeks

1 Investigate how to use Shop Style API and Tao Bao API. Play around with the API, write code to handle the API response.

2 Create database structure and save product information to database.

3 Create mock product and use Tao Bao API to upload it to ukjiemeitao online shop.

4 Decide the design pattern of data layer : Entity Framework, NHibernate or just hard-coded sql script in source code.

5 Create two components : Uploader and Downloader, these two components should be generic and support other websites which we will integrated in the future.

6 When developing the program, test driven development methodology should be applied. We should create unit tests for all the public functions we created.

7 Create GUI for the two components. We need to make sure the GUI and logic layer are not tightly coupled. That means we need to apply dependency injection. In the future, we can swap presentation layer easily without touching logic layer.

8 Ideally we can create a WPF application where we specify the search criteria and trigger the download and upload actions. I prefer to use MVVM design pattern with Entity Framework. Let's have a nice and clean structure to start with.

Database

Uploader

Downloader

product auto-uploader

Websites