Low Level Design

**Advance Image Downloader/Extracter**

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**Document Control**

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# **Introduction**

## **What is Low-Level design document?**

The goal of LLD or a low-level design document (LLDD) is to give the internal logical design of the actual program code for ADVANCE IMAGE DOWNLOADER/EXTRACTER. LLD describes the class diagrams with the methods and relations between classes and program specs. It describes the modules so that the programmer can directly code the program from the document.

## **Scope**

Low-level design (LLD) is a component-level design process that follows a step-by-

ep [refinement](https://en.wikipedia.org/wiki/Refinement_(computing)) process. This process can be used for designing data structures, required software architecture, source code and ultimately, performance algorithms. Overall, the data organization may be defined during requirement analysis and then refined during data design work

# **Architecture**

   

   



# **Architecture Description**

## **Data Description**

Here we will collect image from different web page as requested by user once request will come it schedule job will start on time it will collect information from user and download image and download and will place it in specified path.

## **Web Scrapping**

In order to create a more complete recipe collection we will need some more datasets which will contain Nutritional value of recipes along with Ratings and total Calories.

## **Data from User**

User will enter valid input for image which need to be downloaded along with email ID .

## **Deployment**

We will be deploying the model to Heroku and AWS.

# **Unit Test Cases**

|  |  |  |
| --- | --- | --- |
| **Test Case Description** | **Pre-Requisite** | **Expected Result** |
| Verify whether the Application URL is  accessible to the user | 1. Application URL  should be defined | Application URL should be  accessible to the user |
| Verify whether the Application is accepting lnput form user or not | 1. Application URL  should be accessible | Input should be accepted |
| Verify whether the Application loads completely for the user when the URL is accessed | 1. Application URL is accessible 2. Application is deployed | The Application should load completely for the user when the URL is accessed |
| Verify whether job runs at schedule time or not. | 1. Application is  Accessible | Job should start on time |
| Verify whether image downloading is happening or not | 1. Application is accessible | Image download should happen |
| Verify weather zip is happening or not | 1. Application is accessible | File should be zipped |
| Verify whether it is placing file in specified path or not | 1. Application is accessible | After zip file should be placed in specified path |
| Verify whether old file are being deleted or not | 1. Application is accessible | Old file should be deleted |