High Level Design

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**Contents :**

[Document Version Control 1](#_Toc84931509)

Abstract 1

1. Introduction 1

[1.1. Why this High-Level design document? 1](#_Toc84931510)

[1.2. Scope 1](#_Toc84931511)

[1.3. Definations 1](#_Toc84931511)

[2. General Description 2](#_Toc84931512)

[2.1. Tools Used 1](#_Toc84931510)

[3. Design Details 3](#_Toc84931513)

[3.1. Process Flow 3](#_Toc84931514)

[3.2. Deployment Process 3](#_Toc84931514)

[4. Performance 3](#_Toc84931513)

[4.1. Reusability 3](#_Toc84931514)

[4.2. Deployment 3](#_Toc84931514)

[5. Conclusion 4](#_Toc84931521)

**Document Version Control**

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| --- | --- | --- | --- |
| **Date Issued** | **Version** | **Description** | **Author** |
| 19-10-2021 | V1.0 | Initial Hld – V1.0 | Amit Kumar Singh  Shweta Kumari |
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1. **Introduction** 
   1. **Why this High-Level design document?**

The purpose of this High-Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level.

**The HLD will :**

* Present all of the design aspects and define them in detail.
* Describe the user interface being implemented
* Describe the hardware and software interfaces
* Describe the performance requirements
* Include design features and the architecture of the project
* List and describe the non-functional attributes like :
* Security
* Reliability
* Maintainability
* Portability
* Reusability
* Application compatibility
* Resource utilization
* Serviceability
  1. **Scope**

The HLD documentation presents the structure of the system, such as the database architecture, application architecture (layers), application flow (Navigation), and technology architecture. The HLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system.

* 1. **Definitions**

|  |  |
| --- | --- |
| **Definitions** | **Term** |
| IDE | Integrated Development Environment |
| AWS | Amazon Web Services |

1. **General Description**
   1. **Tools Used :**

|  |  |
| --- | --- |
| **Tools** | **Description** |
|  | **Python is used for backend development.** |
|  | **PyCharm is used as IDE.** |
|  | **GitHub is used as version control system.** |
|  | **Aws is used for deployment of the model.** |

1. **Design Details** 
   1. **Process Flow :**

   

   



* 1. **Deployment Process :**

Start

Call pipeline to deploy

Add code to git

Done

Deploy on Heroku

Get the link

1. **Performance**
   1. **Reusability :**

The code written and the components used should have the ability to be reused with no problems.

* 1. **Deployment :**

 

1. **Conclusion :**

We will collect image from different web page as requested by user once request will come scheduler job will start on time it will collect information from user and download image and will place it in specified path after zipping the file.