# BIMgo Project Management Plan

1. **Introduction**

In the introduction we will illustrate what will discuss the project overview and project deliverables

* 1. **Project overview**

This project Is a BIM authoring tool that will be an online platform that will allow the user to fully control his model and do Architectural, structural and MEP Modeling.

The user will be able to upload and download his model as Ifc files. which is the most featured schema in AEC Domain to save the building information.

* 1. **Project deliverables**

1. Preliminary Project Plan -----

2. Requirements Specification 2007.06.13

3. Analysis [Object model, Dynamic model, and User interface] 2007.06.20

4. Architecture Specification 2007.07.02

5. Component/Object Specification 2007.07.11

6. Source Code 2007.07.18 - 2007.07.23

7. Test Plan 2007.07.18 - 2007.07.23

8. Final Product w/ Demo 2007.07.18 - 2007.07.23

* 1. **Evolution of this document**

This document will be updated as the project progresses.

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Updated By** | **Update Comments** |
| 0.1 | 2007.06.04 | Name 1 | First Draft |
| 0.2 | 2007.06.19 | Name 3 |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

* 1. **References**
  2. Team Account On GitHub
  3. Project Scope
  4. Project Home Page
  5. Case Studies:
  6. User Migration to BIMgo
  7. Creating New Model and start Editing
  8. Saving Model as Ifc
  9. Backup file in case of internet failure
  10. User Migration from BIMgo
  11. **Definitions, acronyms, and abbreviations**

IFC – Industry Foundation Classes

1. **Project organization**
   1. **Process model**

The process used for this project will be a Hybrid Waterfall-Yoyo model such that each stage of the waterfall allows us to update the project plan and other deliverables for missing areas or correctness.

We will use UML tools to create the system model and the subsequent breakdown of the design. For this project, we will be using UML version 1.x.

* 1. **Organizational structure**

Team Members

1. Mohamed Mahmoud
2. Fouad Mostafa Fouad

## Organizational boundaries and interfaces

Team leaders during each phase will be responsible for coordinating team meetings, updates, communications, and team deliverables

## Project responsibilities

For primary responsibilities per phase, please refer to section 2.2. Ultimately, the entire project team is responsible for the successful delivery of the product.

Team member assignments per deliverable according to expertise

* 1. Project Plan – Entire Team
  2. Requirements Specification – TBD
  3. Analysis – TBD
  4. Architecture Spec – TBD
  5. Component/Object Specification – TBD
  6. Source Code – TBD
  7. Test Plan – TBD
  8. Final Deliverable – Entire Team

1. **Technical process**
   1. **Methods, tools, and techniques**

The Project Is Designed Using Many Design Patterns such as Factory design pattern and Adapter Design Pattern.

Many Libraries and technologies are used in this project like xbim library on the server side, Three.js on client side and bootstrap.

Also, many technologies are used like Asp.net mvc core, asp.net framework, web API

* 1. **Software documentation**

Documentation such as Project Vision, Project Management Plan and Project Backup Folder Are Provided with project

* 1. **Project support functions** 
     1. All project support documents will be completed in applicable phases