

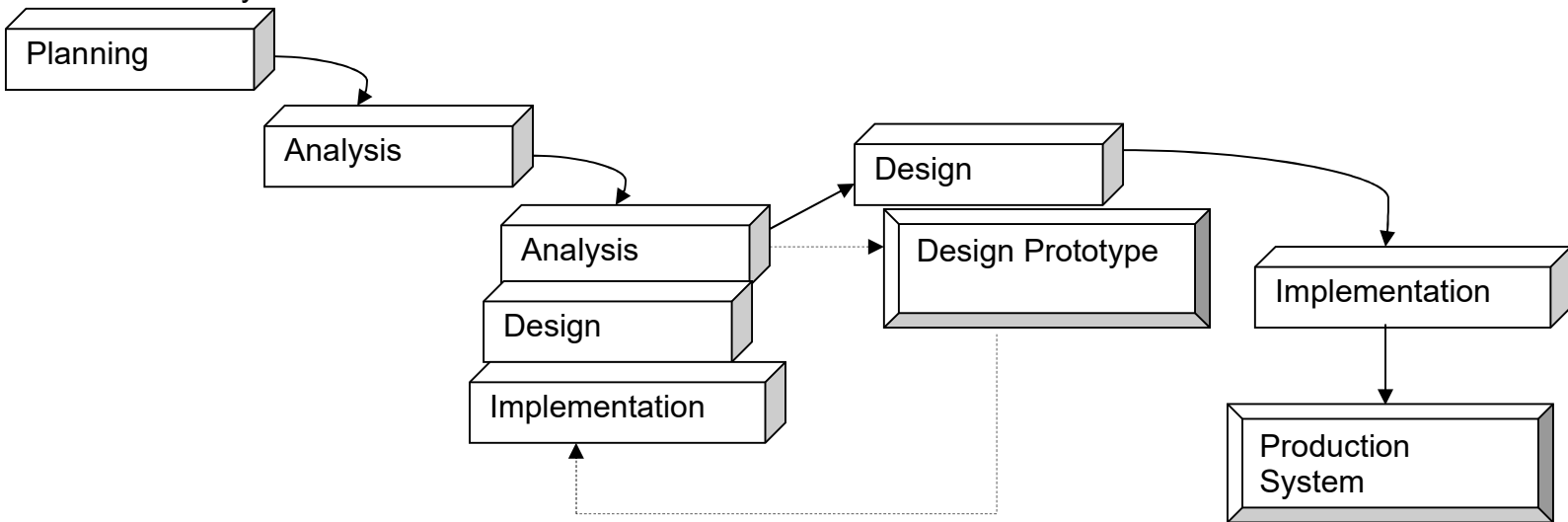
# Project Management Plan Version 1.0

## February 23, 2020

**Project Name:** Configuration Management Web Application

### Introduction/Overview of Project Development Approach:

The project development approach is system prototyping. The approach will use a prototype to evaluate design features before deploying them to the production system.



### Key Activities and Deliverables:

Phase	Key Activities	Key Deliverables
Planning	1. Project Initiation 2. Project Management	1.1 Project Proposal 2.1 Project Charter 2.2 Project Plan
Analysis	1. Requirement Analysis	1.1 Requirement Plan
Design	1. System Specification	1.1 Logical Design Documents 1.2 Physical Design Documents
Implementation	1. System Software Development and Installation 2. System Software Testing	1.1 Post Implementation Review 2.1 Performance Reports

**Management and Technical Processes:** Processes are a set of activities designed to produce a result. They can be categorized as management or technical.

**Management Processes:** Are general activities needed to conduct a project. They usually include planning, organizing, leading, and controlling. For this project, the management processes will include the following project management activities:

- Initiating
- Planning
- Executing
- Monitoring & Controlling
- Closing

The project management activities will be conducted in each of the project phases (i.e., Planning, Analysis, Design, and Implementation)

**Technical Processes:** Are activities needed to systemically design, develop, analyze, and test system components. For this project, the technical processes will include the following technical activities:

- Continuous Integration
- Software version control (Git and GitHub) and Cloud Computing (Heroku)
- Requirement analysis
- Architecture design
- Implementation
- Verification
- Validation

### **Work to Be Performed:**

- Identify the need for a data driven web-application
  - Consult with Stakeholder discover potential systems projects.
- Determine systems requirements
- Setup cloud application development & product environment

- Design features and functions of the data driven web-application
  - Logical – describe feature and functions independently of specific technology or computer platform
  - Physical – convert logical design into technology-specific system specifications
- Convert system specifications into a working data driven web-application
  - Code, test, and install Database
  - Code, test, and install Web interface
- Present data driven web-application to stakeholders for approval and feedback