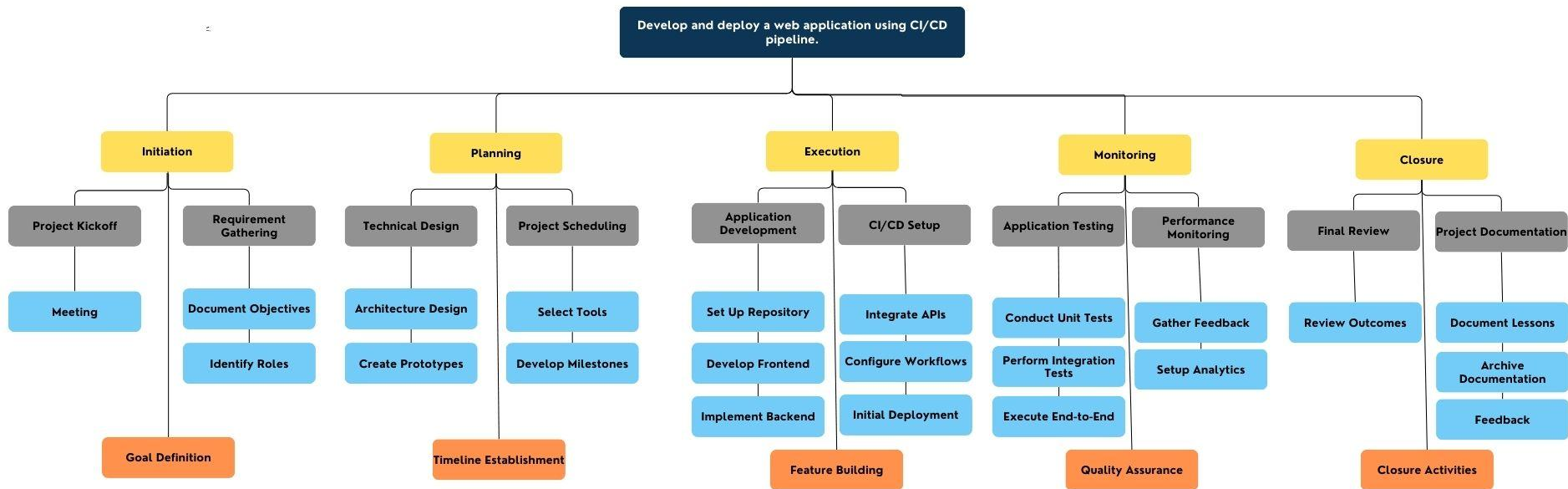# Work Breakdown Structure

Devops Project

Develop and deploy a web application using CI/CD pipeline.

Initiation

- **Project Kickoff**
  - Meeting
- **Requirement Gathering**
  - Document Objectives
  - Identify Roles
- Goal Definition

Planning

- **Technical Design**
  - Architecture Design
  - Create Prototypes
- **Project Scheduling**
  - Select Tools
  - Develop Milestones
- Timeline Establishment

Execution

- **Application Development**
  - Set Up Repository
  - Develop Frontend
  - Implement Backend
- **CI/CD Setup**
  - Integrate APIs
  - Configure Workflows
  - Initial Deployment
- Feature Building

Monitoring

- **Application Testing**
  - Conduct Unit Tests
  - Perform Integration Tests
  - Execute End-to-End
- **Performance Monitoring**
  - Gather Feedback
  - Setup Analytics
- Quality Assurance

Closure

- **Final Review**
  - Review Outcomes
- **Project Documentation**
  - Document Lessons
  - Archive Documentation
  - Feedback
- Closure Activities

PROJECT GOAL

Develop and deploy a web application using CI/CD pipeline.

Phase 1: Initiation

Stages

Project Kickoff

Requirement Gathering

Activities/Deliverables

Goal Definition

Tasks

Meeting

Document Objectives

Identify Roles

Phase 2: Planning

Stages

Technical Design

Project Scheduling

Activities/Deliverables

Timeline Establishment

Tasks

Architecture Design

Create Prototypes

Select Tools

Develop Milestones

Phase 3: Execution

Stages

Development

CI/CD Setup

Activities/Deliverables

Feature Building

Tasks

Set Up Repository

Develop Frontend

Implement Backend

Integrate APIs

Configure Workflows

Initial Deployment

Phase 4: Monitoring

Stages

Testing

Performance Monitoring

Activities/Deliverables

Quality Assurance

Tasks

Conduct Unit Tests

Perform Integration Tests

Execute End-to-End

Gather Feedback

Setup Analytics

Phase 5: Closure

Stages

Final Review

Documentation

Activities/Deliverables

Closure Activities

Tasks

Review Outcomes

Document Lessons

Archive Documentation