GitPolish Protocol™ Certification Course Blueprint

## A Comprehensive Learning Path for Professional GitHub Management

# 1. Course Overview

This document outlines the complete architecture and learning path for the GitPolish Protocol™ Certification Course. The course is designed to transform the 40 scenarios from the "GitPolish\_Complete\_40\_Scenarios.docx" into a structured, interactive, and professional learning experience. The goal is to equip students with the practical skills and theoretical knowledge to implement the GitPolish Protocol™ in real-world client projects.  
  
The course is divided into six logical modules, progressing from foundational concepts to advanced professional practices. Each module is aligned with the five pillars of the GitPolish Protocol™ and includes a mix of conceptual teaching, hands-on labs, and knowledge assessments.

# 2. Learning Objectives

* Master the five pillars of the GitPolish Protocol™.
* Apply all 40 scenarios to real-world client repository management.
* Create and manage professional, well-structured GitHub repositories.
* Implement automation, CI/CD, and quality assurance workflows.
* Develop comprehensive documentation and knowledge bases.
* Confidently lead repository audits, transformations, and handoffs.

# 3. Assessment Strategy

The assessment strategy is designed to measure both theoretical understanding and practical application. The course will use a blended assessment model:  
  
- \*\*Knowledge Checks (30%):\*\* Quizzes and short-answer questions at the end of each module to test understanding of key concepts.  
- \*\*Practical Application (70%):\*\* Hands-on labs, coding exercises, and a final capstone project where students apply the GitPolish Protocol™ to a real-world scenario.  
  
\*\*Certification:\*\* Students must achieve an overall score of 80% or higher to earn the GitPolish Protocol™ Certified Professional designation.

# 4. Course Modules & Learning Path

## Module 1: GitPolish Foundations & Repository Setup

**Level:** Foundational

**Pillars:** Repository Architecture, Documentation Excellence

**Learning Objectives:**

* Create a new GitHub repository from scratch following professional best practices.
* Onboard a new developer to a project efficiently.
* Manage feature requests and enhancements using GitHub Issues.
* Create and maintain a professional README.md file.

**Scenarios Covered:**

* Scenario 1
* Scenario 2
* Scenario 3
* Scenario 8
* Scenario 13
* Scenario 27

## Module 2: Documentation & Collaboration

**Level:** Foundational

**Pillars:** Documentation Excellence, Wiki Development

**Learning Objectives:**

* Set up an open-source project for community contributions.
* Conduct effective code reviews and provide constructive feedback.
* Use GitHub Discussions to foster community engagement.
* Implement issue and pull request templates to standardize communication.

**Scenarios Covered:**

* Scenario 7
* Scenario 11
* Scenario 12
* Scenario 22
* Scenario 29
* Scenario 39

## Module 3: Automation & Quality Assurance

**Level:** Intermediate

**Pillars:** Automation and Quality Assurance

**Learning Objectives:**

* Implement a CI/CD pipeline using GitHub Actions.
* Automate code formatting and quality checks.
* Set up automated testing and monitor test coverage.
* Implement security best practices, including secret scanning and dependency management.

**Scenarios Covered:**

* Scenario 9
* Scenario 16
* Scenario 19
* Scenario 24
* Scenario 28
* Scenario 40

## Module 4: Advanced Repository Management

**Level:** Intermediate

**Pillars:** Repository Architecture, Automation and Quality Assurance

**Learning Objectives:**

* Migrate a repository from another platform to GitHub.
* Manage large files using Git LFS.
* Implement and enforce a consistent branching strategy.
* Set up and manage a monorepo for multiple related projects.

**Scenarios Covered:**

* Scenario 17
* Scenario 18
* Scenario 20
* Scenario 21
* Scenario 30
* Scenario 37

## Module 5: Knowledge Transfer & Project Handoff

**Level:** Advanced

**Pillars:** Wiki Development, Knowledge Transfer and Handoff

**Learning Objectives:**

* Hand off a completed project to a client, including all necessary documentation and training.
* Transform a messy repository into a professional asset.
* Create and maintain a comprehensive troubleshooting guide in the wiki.
* Use GitHub Insights to monitor repository activity and inform project decisions.

**Scenarios Covered:**

* Scenario 4
* Scenario 5
* Scenario 14
* Scenario 25
* Scenario 31
* Scenario 34

## Module 6: Professional Practices & Ecosystem Integration

**Level:** Advanced

**Pillars:** All Five Pillars

**Learning Objectives:**

* Prepare a repository for investor due diligence.
* Implement semantic versioning and automate release notes.
* Conduct a comprehensive repository audit based on The GitPolish Protocol™.
* Use GitHub Codespaces to create a consistent, cloud-based development environment.

**Scenarios Covered:**

* Scenario 6
* Scenario 23
* Scenario 26
* Scenario 32
* Scenario 33
* Scenario 35
* Scenario 36
* Scenario 38