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CHAPTER 3 SYSTEM DEVELOPMENT METHODOLOGY

Introduction

A structured and efficient methodology will ensure that the Secure Project Tracker meets user expectations and functions as designed. This chapter outlines the chosen development methodology along with its key phases and the tools and technology to be utilized. The huge emphasis on collaboration, besides the features for security including encryption and multi-factor authentication, provides a kind of roadmap in design, development, testing, and deployment of the system. This will provide a secure, collaborative project management solution that would maintain high productivity and organization of the Staff while sharing sensitive data safely. This chapter also looks at the system hardware and software requirements and is thus assured of smooth-running development in the development process to successfully deliver the project.

Methodology Choice and Justification

Due to its iterative character and adaptability, the Agile Development Methodology was chosen because it fits better with the dynamic requirements the Secure Project Tracker has required. Agile works in a way that ensures a system develops through identifying user needs based on cooperation by its stakeholders, flexibility of change with the times, and constant development. It allows its iterative approach to break the project into logical phases, with the developers quickly producing workable increments and receiving feedback at every level.