HealthMatch Project Scope

1.1 Overview

1.1.1 HealthMatch is a management-facing software application designed to help companies identify and select the most suitable healthcare providers for their employees.

1.1.2 The system streamlines the process of evaluating healthcare options by combining employee needs, cost constraints, and provider data into a single intelligent matching platform.

1.1.3 Through an intuitive interface and efficient backend design, HealthMatch enables businesses to make data-driven, equitable, and cost-effective healthcare decisions for their workforce.

1.2 Objectives

1.2.1 Simplify the healthcare provider selection process for employers.

1.2.2 Collect and analyze data on employee preferences, coverage needs, and cost limits.

1.2.3 Provide ranked recommendations of healthcare providers that best fit organizational and employee criteria.

1.2.4 Support long-term management by maintaining provider performance data and satisfaction metrics.

1.2.5 Deliver a user-friendly interface accessible to HR teams and management.

1.3 Key Features

1.3.1 Employee Needs Collection

    a. Surveys or forms allow employees to input their healthcare preferences and requirements (family plans, mental health coverage, affordability).

1.3.2 Cost and Constraint Management

    a. Management inputs budget limits and company-specific restrictions for healthcare plans.

1.3.3 Provider Database Integration

    a. The system maintains a database of healthcare providers, including cost structures, benefits, and satisfaction ratings.

1.3.4 Matching Algorithm

    a. HealthMatch uses filtering and ranking logic to recommend providers that best satisfy both employee and management priorities.

1.3.5 Results Dashboard

    a. Displays matched providers, comparison summaries, and analytics for better decision-making.

1.4 Stakeholders

1.4.1 Company Management / HR Teams – Primary users who make decisions based on HealthMatch results.

1.4.2 Employees – Indirect users whose data and preferences drive the recommendations.

1.4.3 Healthcare Providers – External entities represented in the provider database. 1.4.4 Development Team – Responsible for designing, implementing, and maintaining the application.

1.5 Deliverables

1.5.1 Project documentation including requirements, design diagrams, and test plans.

1.6 Project Boundaries

1.6.1 HealthMatch will not directly enroll employees into healthcare plans—it only recommends providers.

1.6.2 The initial version will focus on employer–provider matching within the U.S. healthcare market.

1.6.3 Integration with third-party APIs (insurance provider APIs) may be implemented in later iterations.

1.7 Constraints

1.7.1 Development must be completed within the academic term timeline.

1.7.2 Limited budget for hosting or external APIs (mock data may be used). 1.7.3 Must comply with data privacy and ethical standards (anonymized employee data).

1.8 Assumptions

1.8.1 Management will provide accurate cost limits.

1.8.2 Employees will complete preference surveys honestly.

1.8.3 Provider data will be accessible via open or internal datasets.