Work Breakdown Structure (WBS) for NutriScope Health Tracker

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NHT-1 NutriScope Health Tracker

NHT-1.1 Initiation

NHT-1.1.1 Create Project Charter

NHT-1.1.2 Create Business Case

NHT-1.1.3 Create and Sign Team Contract

NHT-1.1.4 Create Project Vision

NHT-1.1.5 Identify Crucial Stakeholders

NHT-1.2 Planning

NHT-1.2.1 Define Requirements

NHT-1.2.1.1 Gather and Prioritize User Needs

NHT-1.2.1.2 Market Analysis

NHT-1.2.1.3 Competitor Research

NHT-1.2.1.4 Determine Requirements Categories (Functional, NF, etc)

NHT-1.2.2 Design Artifacts

NHT-1.2.2.1 Construct Wireframes

NHT-1.2.2.2 Create Mockups for UI/UX Visualization

NHT-1.2.2.3 Design a Scalable Architecture

NHT-1.2.2.4 Design a Modular Codebase Structure

NHT-1.2.3 Documentation and Estimates

NHT-1.2.3.1 Schedule and Cost Baseline

NHT-1.3 Execution

NHT-1.3.1 Development

NHT-1.3.1.1 Implement Features According to Requirements and Design

NHT-1.3.1.2 Develop the Mobile Application Software

NHT-1.3.1.3 Develop the Backend Software

NHT-1.3.1.4 Develop Third Party API and Wearable Device Integration

NHT-1.4 Monitoring/Controlling

NHT-1.4.1 Testing and Quality Assurance

NHT-1.4.1.1 Unit Testing

NHT-1.4.1.2 Integration Testing

NHT-1.4.1.3 User Acceptance Testing

NHT-1.4.1.4 Other Tests for Non-functional Characteristics

NHT-1.4.1.5 Generate Test Reports

NHT-1.4.2 Deployment and Launch

NHT-1.4.3 Prepare App Store Listings

NHT-1.4.4 Create Marketing Materials

NHT-1.4.5 Prepare User Manuals and Training Materials

NHT-1.5 Closure

NHT-1.5.1 Post Launch Support and Maintenance

NHT-1.5.1.1 Prioritized Support, Troubleshooting, and Updates After Launch

NHT-1.5.1.2 Observe User Engagement Metrics