**CHARITAN PROJECT CHARTER**

**TEAM A – SQUAD Panther**

GENERAL PROJECT INFORMATION

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| PROJECT NAME | | |
| Charitan – Global Charity Donation | | |
| SQUAD NUMBER | TEAM CODE (A or B) | PROJECT MANAGER |
| Panther | A | Hur HyeonBin |
| TEAM MEMBERS | | |
| Vo Duc Tan  Tran Thanh Tu  Tran Vinh Trong  Hur Hyeonbin  Bui Hong Thanh Thien | | |
| STAKEHOLDERS | | |
| Donors, Charities, Volunteers | | |
| EXPECTED START DATE | EXPECTED DATE OF COMPLETION | DATE OF DOCUMENT |
| 13/11/2024 | 10/1/2025 | 29/11/2024 |

PROJECT DETAILS

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| VISION | To provide a globally influential platform that seamlessly connects donors, volunteers, and charitable organizations, enabling individuals and institutions to contribute significantly to causes that resonate with their values. Charitan aims to cultivate a culture of philanthropy and cooperation by utilizing advanced technology, thereby improving the efficacy and scope of charitable projects across all industries. |
| SUCCESS METRICS | User Growth: Build a lively and engaged community by successfully onboarding a sizable number of charities, volunteers, and contributors.  Funding Success: Make sure a significant portion of projects are adequately funded and finished on schedule.  User Retention: By building satisfaction and trust, you can entice contributors to make additional contributions.  Platform Performance: Provide a dependable, quick, and smooth experience on desktop and mobile devices.  Security & Compliance: To guarantee user safety and confidence, uphold strong security protocols and abide by international data protection laws. (GDPR, HIPAA, etc.) during the initial year. |
| RISKS | 1. Technical Risks  Scalability Challenges: Potential decline in system performance with rapid user base expansion. Security Threats: Possibility of cyberattacks, encompassing data breaches, phishing, and DDoS attacks.  Integration Challenges: Complications in interfacing with external payment processors or social media sites.  2. Operational Risks  Resource Constraints: Inadequate technological or human resources to sustain the development velocity.  User Adoption: Initial adoption is low owing to unfamiliarity with the platform or inadequate marketing efforts.  Project Management Risks: Delays in project schedules resulting from complexity or miscommunication across teams. |
| MILESTONES | Milestone 1 (Due: December 4, 2024)  Design Conceptual Data Model: Develop an ER Model with design rationale.  System Architecture: Create a UML or C4 Model diagram separating front-end and back-end.  Report: Document design decisions in a 30-page report, excluding cover page and TOC.  Milestone 2 (Due: January 13, 2025)  Level 1 Implementation: Basic functionalities using N-Tier architecture.  Level 2 Implementation: Modular monolith architecture with enhanced usability, security, and caching (Redis).  Level 3 Implementation: Apply microservices with Kafka for notifications and database sharding. |
| TEAM  RULES | GitHub Usage: Frequent and professional contributions required. Inactivity or lack of submissions incurs penalties.  Team Member Contributions: Equal or formally documented unequal contributions, assessed by the course coordinator.  Communication: Use clear, professional language in GitHub repositories and team interactions.  Conflict Resolution: Escalate unresolved issues to the course coordinator early to avoid project disruption. |

APPROVAL SIGNATURES

By signing below, each member commits to the objectives, rules, and guidelines outlined in this Project Charter.

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| Hur Hyeon Bin | Bui Hong Thanh Thien | Vo Duc Tan | Tran Vinh Trong | Tran Thanh Tu |
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