CHARITAN PROJECT CHARTER TEAM B – SQUAD Panther

GENERAL PROJECT INFORMATION

PROJECT NAME		
Charitan – Global Charity Donation		
SQUAD NUMBER	TEAM CODE (A or B)	PROJECT MANAGER
Panther	B	Hoang
TEAM MEMBERS		
Nguyen Huy Hoang Nguyen Tan Phat Pham Nguyen Minh Dang		
STAKEHOLDERS		
Donors, Charities, Adminstrators, End- Users		
EXPECTED START DATE	EXPECTED DATE OF COMPLETION	DATE OF DOCUMENT
13/11/2024	13/1/2025	3/12/2024

PROJECT DETAILS

VISION	Facilitate donors and volunteers in identifying and supporting charitable programs that resonate with their values, both locally and globally. Enable charities (individuals, organizations, or non-profits) to proficiently engage in crowdfunding for various initiatives across sectors like Food, Health, Education, Environment, Religion, Humanitarian Efforts, and Housing.
SUCCESS METRICS	Fluid and captivating user experience for all participants (donors, volunteers, charity). Efficient utilization of technology to improve visibility, collaboration, and assistance. Elevated user adoption and engagement rates. Effective financing and administration of charitable initiatives.

RISKS	Concerns over data security and privacy, particularly pertaining to sensitive information such as donations and user data. Challenges in scalability while managing a substantial influx of users and donations. Reliance on third-party APIs (e.g., Stripe, PayPal, Kafka) and their dependability. Risk of fraud or exploitation of the site by nefarious individuals. Obstacles in attaining and sustaining adherence to global financial and data protection regulations.

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: Dockerized 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.

Pham Nguyen Minh Dang	Nguyen Huy Hoang	Nguyen Tan Phat	N/A	N/A