

Atish Dipankar University of Science and Technology (ADUST)



Android Application for Charitable Donations

B.Sc. DEFENSE, Fall 2024

Department of Computer Science & Engineering(CSE)

Introduction to the Students & Supervisor

Supervised by –
Rafid Mahmud Haque
Lecture
Dept of CSE

Submitted by
Mehedi hasan
ID:211-0395-203
Dept of CSE

Contents of Presentation

- ☐ Objective
- ☐ Motivation
- ☐ Proposed Solution/ Components
- ☐ Design and Implementation (Circuits/Flow Charts)
- ☐ Implementation of the Project
- ☐ Results
- ☐ Conclusion
- ☐ Future Scope

Objective

- ☐ Facilitate connections between donors and charitable organizations.
- ☐ Enable user account creation for both donors and foundations.
- ☐ Provide a platform for direct contributions to causes.
- ☐ Foster community interaction through idea, image, and story sharing.
- ☐ Highlight donor motivations influenced by personal interests and experiences.
- ☐ Address challenges faced by nonprofits in attracting donations.
- ☐ Identify gaps in understanding donor behavior for future research.

Motivation

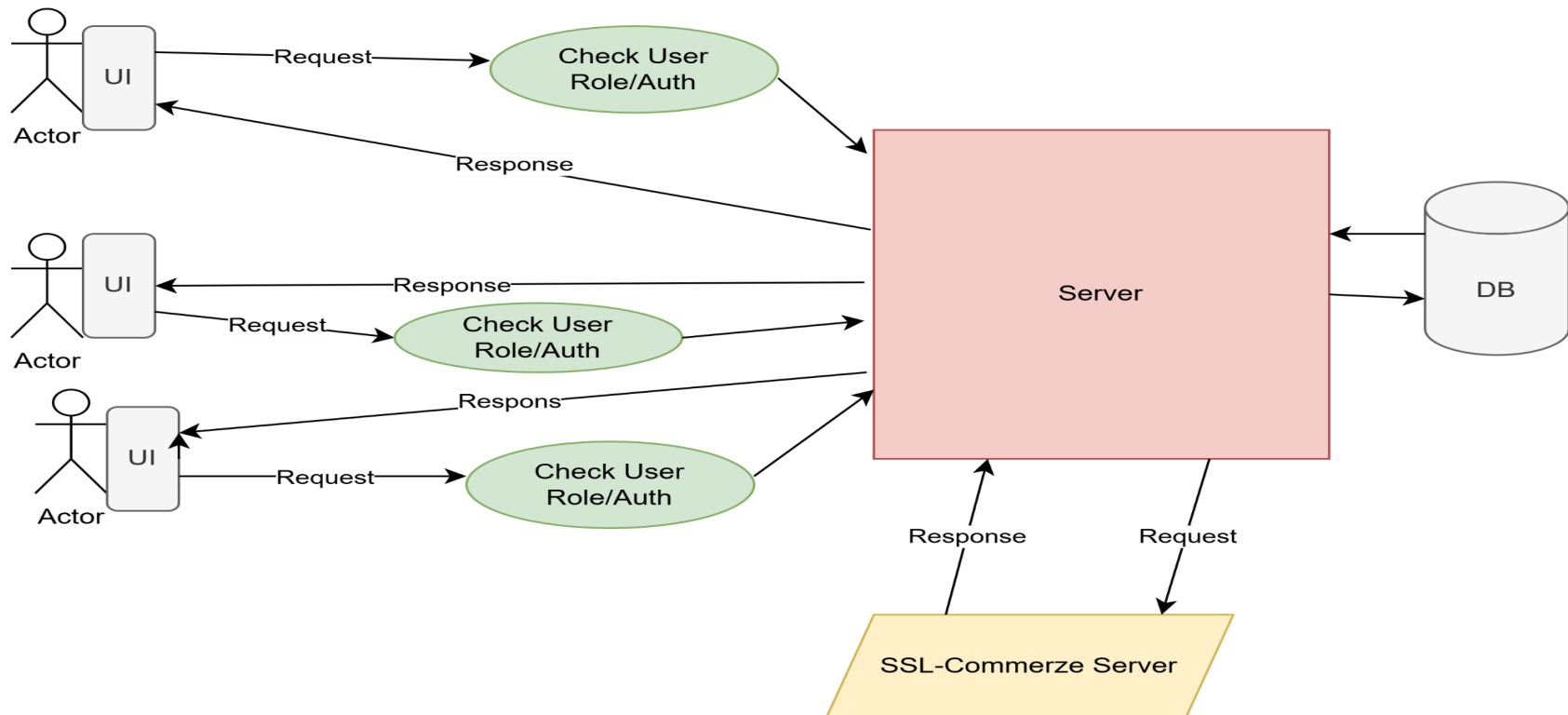
- ☐ Challenges faced by charitable foundations in reaching potential donors.
- ☐ Difficulty in securing consistent donor support.
- ☐ Cumbersome traditional donation methods discourage regular giving.
- ☐ Lack of user-friendly platforms connecting donors with organizations.
- ☐ Need for transparency and security to encourage impactful contributions.

Proposed Solution/ List of Components

- ☐ Developed an Android application for simplified charitable donations.
- ☐ Provides an accessible, user-friendly platform for digital philanthropy.
- ☐ Features two main foundations displayed in a carousel format for engagement.
- ☐ Streamlined user experience for learning about and supporting causes.
- ☐ Involves careful planning, design, and testing processes.
- ☐ Ensures a secure, responsive, and user-aligned application.

Design and Implementation

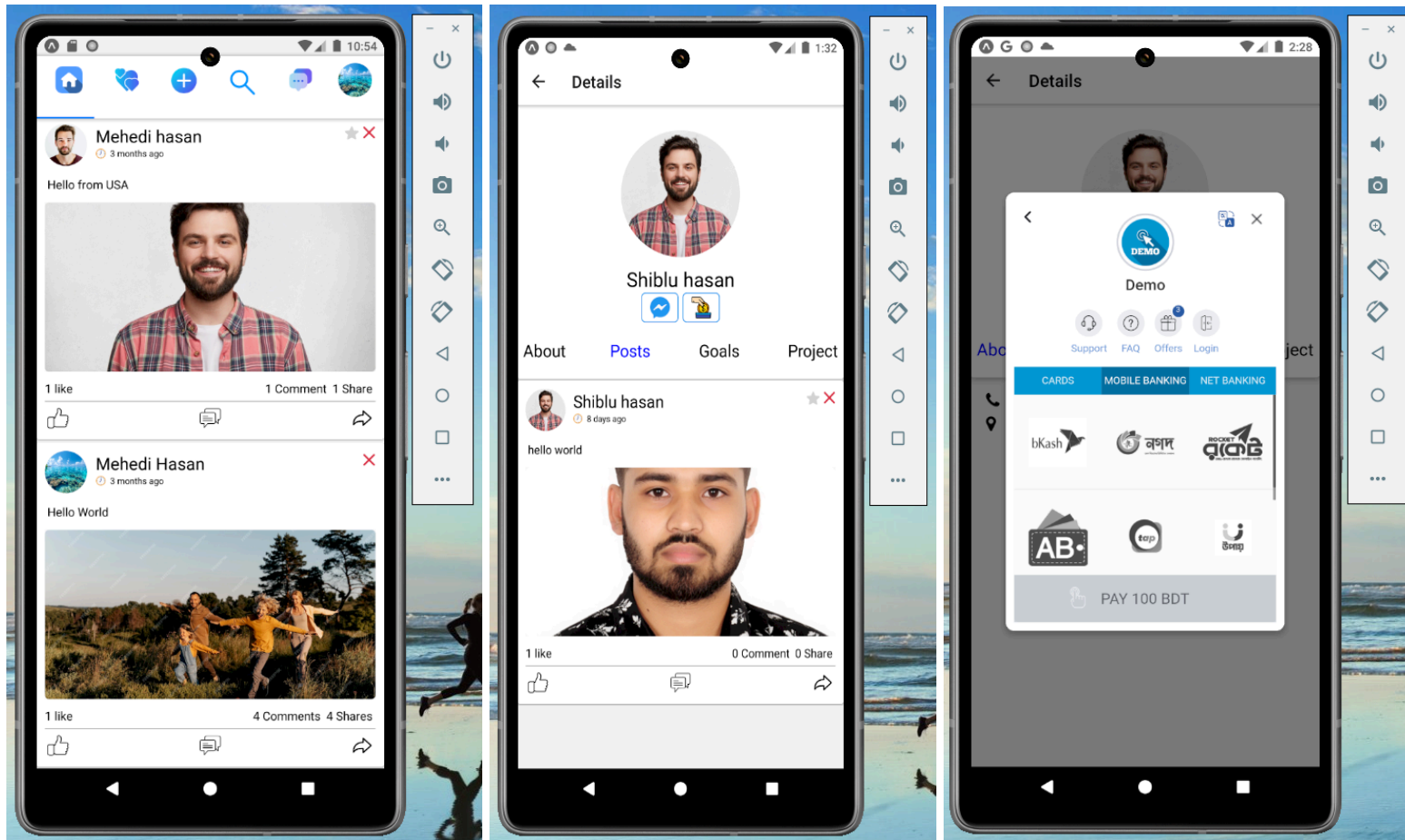
Planning – The initial phase focuses on defining the project scope, objectives, and requirements. Key features are identified, such as the carousel for showcasing two foundations, a secure payment gateway, and an intuitive user interface. User personas and usage scenarios are created to understand the target audience and their needs.



Design and Implementation (Cont.)

Based on the requirements, wireframes and UI prototypes are developed to outline the application's layout and navigation. Emphasis is placed on simplicity, clarity, and ease of access to donation features. The carousel interface is designed to provide users with a seamless browsing experience while exploring foundation details.

Implementation of the Project



Implementation of the Project (Cont.)

Allows creation of accounts for both donors and foundations.

Enables donors to contribute directly to causes.

Supports sharing of ideas, images, and narratives to foster engagement.

Highlights two main foundations for a focused user experience.

Tailors features based on psychology, marketing, and economic studies.

Implements secure payment gateways for safe transactions.

Involves rigorous planning, design, testing, and optimization for a user-friendly interface.

Addresses cross-platform challenges to ensure smooth functionality.

Results

- ❖ Successfully implemented features for viewing, selecting, and donating to charities.
- ❖ Enabled sharing of ideas, images, comments, and messages to foster community interaction.
- ❖ Created a comprehensive ecosystem for charitable engagement.
- ❖ Simplified the donation process for users.
- ❖ Overcame cross-platform development challenges, including performance optimization.
- ❖ Integrated secure payment gateways ensuring robust data protection.
- ❖ Delivered a secure, reliable, and user-focused application.

Conclusion

- ❖ Simplifies donation process through an intuitive platform.
- ❖ Supports viewing, selecting, and donating to various charities.
- ❖ Fosters community interaction via idea, image, and feedback sharing.
- ❖ Creates a comprehensive ecosystem for charitable engagement.
- ❖ Overcomes cross-platform development challenges, including performance optimization.
- ❖ Successfully integrates secure payment gateways ensuring user confidentiality and data integrity.
- ❖ Delivers a robust, user-focused, and secure application for donors and foundations.

Future Scope

- ☐ Enhance AI-driven recommendations for matching donors with causes based on interests and behavior.
- ☐ Integrate blockchain technology for improved transparency and secure transactions.
- ☐ Develop features for real-time impact tracking of donations.
- ☐ Incorporate gamification to encourage consistent donor engagement.
- ☐ Expand multilingual support to reach global audiences.
- ☐ Introduce data analytics tools for organizations to understand donor behavior better.
- ☐ Enable crowdfunding features to support larger philanthropic campaigns.
- ☐ Explore partnerships with corporations for CSR-driven contributions.

Thank you