### Scope of Work: Web Development Project for Daily Number Betting Game

#### Project Overview

The project involves the development of a web-based game where users can sign up, log in, add cash to their wallet via an API connected to a payment gateway, and place bets on chosen numbers. The game will run three times daily at 2 PM, 5 PM, and 9 PM, with a 10-minute cutoff before each game for placing bets. The backend system will record player information, chosen numbers, and bet amounts, and will determine winners based on input winning numbers. Players can only play for the current day's game, and the next day's game will be available after 12:01 AM.

#### Objectives

1. Develop a user-friendly web interface for the game.
2. Implement secure user authentication and wallet management.
3. Enable seamless integration with a payment gateway for cash deposits.
4. Facilitate the selection and confirmation of game times and numbers.
5. Automate backend processes for recording, analyzing, and determining winners.
6. Ensure timely cutoffs for bet placements and game result processing.
7. Provide a chatbot for answering user queries on both web and mobile platforms.
8. Implement an admin-controlled maximum bet limit for all numbers.

#### Features and Functionality

1. **User Authentication and Profile Management**
   * Sign up and login functionalities.
   * Profile management (update personal information, view bet history, etc.).
   * Secure password management and recovery.
2. **Wallet and Payment Integration**
   * Integration with a payment gateway (e.g., GCash API) for cash deposits.
   * Display current wallet balance.
   * Transaction history for wallet activities.
3. **Game Interface**
   * Game time selection (2 PM, 5 PM, 9 PM).
   * Number selection interface (00 to 99).
   * Bet amount input.
   * Confirmation of chosen numbers and bet amount.
   * Only current day's game available for betting.
4. **Bet Management**
   * Recording of player information, chosen numbers, and bet amounts.
   * 10-minute cutoff before each game time for bet placement.
   * Notification system for bet confirmation and game reminders.
   * Availability of the next day's game after 12:01 AM.
5. **Result Processing**
   * Admin interface for inputting winning numbers after each game time.
   * Backend processing to determine winners and calculate payouts.
   * Automated notifications to winners.
6. **Payouts**
   * Calculation of payouts based on bet amounts and winning numbers.
   * Automated crediting of winnings to players' wallets.
   * Generation of payout reports for administrative purposes.
7. **Admin Panel**
   * User management (view, edit, delete users).
   * Game management (input winning numbers, view game history).
   * Financial reports (deposits, payouts, wallet balances).
   * Setting maximum bet limits for all numbers.
8. **Chatbot Integration**
   * AI-powered chatbot to assist users with queries.
   * Availability on both web and mobile platforms.
   * FAQ database integration for quick responses.
9. **Security and Compliance**
   * Data encryption and secure storage.
   * Compliance with relevant data protection regulations.
   * Fraud detection and prevention mechanisms.

#### Deliverables

1. Fully functional web and mobile application.
2. User documentation and help guides.
3. Admin documentation for backend management.
4. Testing and quality assurance reports.
5. Deployment and post-deployment support.

#### Timeline

1. Requirement Analysis and Planning:
2. Design and Prototyping:
3. Development:
   * Frontend:
   * Backend:
4. Integration and Testing:
5. Deployment:
6. Post-Deployment Support: Ongoing

#### Budget

#### Assumptions

1. The payment gateway provides a well-documented API for integration.
2. The client will provide necessary access to existing systems if needed.
3. Timely feedback and approvals from the client to adhere to the timeline.

#### Exclusions

1. Marketing and promotion of the web application.
2. Hosting and domain registration costs.