

# Development Log

**Date:** 17-9-23

## **Development Activities:**

- Project Kick-off: The development of the chatbot integration project officially began. The team discussed project objectives, scope, and milestones.
- Environment Setup: The development environment was set up, including the installation of Python, Flask, and necessary libraries.
- Initial Design: The chatbot's logic and responses were initially designed. Recognized words and responses were defined.
- GUI Development: The Tkinter-based GUI was created. Layout and user interaction elements were added.
- Functional Development: The core logic for user message processing and response generation was implemented.
- Testing Planning: The team discussed and outlined the testing plan, including test cases for functional, integration, and user acceptance testing.

**Date:** 20-9-23

## **Development Activities:**

- API Integration: The team began the process of integrating with messaging platforms (e.g., WhatsApp, SMS, LinkedIn). Authentication and API access were explored.
- Refinement: The chatbot's logic was refined, and additional recognized words and responses were added.
- GUI Enhancements: The GUI was further refined, and additional design elements were integrated.
- Testing Implementation: Test cases for functional testing were implemented to validate chatbot responses.
- Documentation Planning: The team discussed the structure and content of documentation for the project.

**Date:** 22-9-23

## **Development Activities:**

- Platform-Specific Development: Development for platform-specific functionality began to ensure proper integration with messaging platforms.
- Error Handling: Error-handling mechanisms were implemented for robustness.
- User Training Materials: Initial planning for user training materials, including guides and onboarding resources.
- Performance Optimization: The code was optimized for performance, and load testing preparations began.
- Testing Execution: Functional testing was executed, and defects were tracked using [defect tracking tool].

**Date:** 28-9-23

**Development Activities:**

- Integration with WhatsApp: Integration with WhatsApp's API was tested and verified. Message handling for WhatsApp was fine-tuned.
- User Acceptance Testing (UAT) Planning: The team discussed and planned for UAT, including engagement strategies.
- Documentation Development: User guides, developer documentation, and project documentation began.
- UAT Scenarios: Real-world UAT scenarios were defined to simulate user interactions and test the chatbot's performance.

**Date:** 30-9-23

**Development Activities:**

- Final Testing: Integration testing for other messaging platforms was conducted.
- UAT Launch: User acceptance testing (UAT) with real users was initiated to validate the chatbot in real-world scenarios.
- Documentation Completion: Documentation was finalized and reviewed for accuracy.
- Performance Benchmarking: Performance testing, including load testing, was conducted to assess chatbot response times.

**Date:** 9-10-23

**Development Activities:**

- Defect Resolution: Defects reported during testing were resolved, and issues were validated for closure.
- User Feedback Analysis: User feedback from UAT was analyzed to identify areas for improvement.
- Launch Preparation: The project team prepared for the official launch of the chatbot on selected messaging platforms.
- Training Completion: User training and onboarding materials were finalized.

**Date:** 12-10-23

**Development Activities:**

- Project Closure: The chatbot integration project was successfully completed, with all milestones achieved.
- Lessons Learned: The project team held a lessons-learned meeting to discuss what went well and areas for improvement.

- Documentation Handover: Documentation and project files were handed over for post-launch maintenance and support.