

Testing for the Nudge Engine and its associated components has been successfully completed, ensuring the system's reliability, performance, and user experience.

4.1 Unit Tests

- **Status:** Completed
- **Components Tested:**
 - **Nudge Engine:** All functions related to creating, updating, scheduling, and deleting nudges have been tested.
 - **AI/ML Models:** Predictive algorithms were tested to ensure accurate nudge recommendations.
 - **Database Operations:** CRUD operations were validated to ensure proper data handling.

4.2 Integration Tests

- **Status:** Completed
- **Scope:**
 - The integration between the Nudge Engine, AI/ML models, database, and API was thoroughly tested.
 - Ensured that the Nudge Engine correctly processes data, triggers AI/ML predictions, interacts with the database, and communicates with the front-end via APIs.

4.3 UI Tests

- **Status:** Completed
- **Tools Used:** Selenium
- **Scope:**
 - Automated UI tests were conducted on the Nudge Dashboard.
 - Verified the functionality of UI elements, including user interactions with nudges, profile management, and admin settings.

This comprehensive testing ensures that the Nudge Engine is robust, reliable, and ready for deployment.