Release Planning Document

Course: COSC 4P02
Date: 01/18/2025
Group Number: #4

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<u>**Project Title: ConnectX**</u>

1. Introduction

ConnectX is an advanced automation software aimed at enhancing social media engagement for businesses. By leveraging cutting-edge AI capabilities, ConnectX ensures dynamic and personalized customer interactions. This document outlines the user stories, product backlogs, sprint plans, and development strategies to deliver the ConnectX platform successfully.

2. User Stories

ID	Title	Description	Acceptance Criteria	Priority
1	Automate Single DM	Automate responses to direct messages based on specific keywords.	The system can trigger pre-set DMs based on defined keywords.	High
2	AI-Generated Responses	Enable AI-driven full conversations with customers.	AI responses are contextually accurate and maintain engagement.	High
3	Analytics Dashboard	Provide detailed analytics for engagement metrics and automation performance.	Dashboard displays accurate interaction and performance data.	Medium
4	Integration Setup	Allow users to integrate their social media accounts for automation.	Social media accounts can be linked seamlessly through the tool.	High
5	Multi-Post Automation	Attach automations to specific posts.	Users can assign automations to individual posts successfully.	Medium
6	Miscellaneous Features	Add quality of life features such as batch messaging or scheduled event messaging	Users can integrate multiple accounts through one dashboard and send	Low

		and multi account integration	messages in prescheduled batches	
7	Front End Design	A fast, responsive interface to host the different subscription plans of the service	A working interface with minimal errors which allows the user to reach desired goals	High
8	Database/Backend Design	Diagrams and workflow cases to be setup including how items interact with each other	A working backend implemented using the Next.Js Stack	High
9	Notification System	Provide real-time notifications for automation triggers and errors.	Notifications are sent to users when triggers are executed or fail.	Low
10	Customizable Analytics Reports	Allow users to customize analytics dashboard layouts and reports.	Users can select metrics and save customized report templates.	Low

3. Product Backlog

Task	Associated User Story	Priority
Develop integration setup UI	4	High
Implement single DM automation	1	High
Design analytics dashboard	3	Medium
Enable AI-response functionality	2	High
Add post-specific automations	5	Medium
Additional Features: Batch Messaging, Scheduled event messaging	6, 9, 10	Low
Front End Design	7	High
Design Back-end/Database	8	High

4. Sprint Backlogs

Sprint 1 (Week 1-2)
- Finalize front-end design and develop implementation models.
- Develop integration setup UI.
- Database and Backend low level design.

Sprint 2 (Week 3-4)
- Implement single DM automation.
- Conduct initial testing.
- Implement Front End

Sprint 3 (Week 5-6)
- Develop AI-driven response capabilities.
- Create analytics dashboard.

Sprint 4 (Week 7-8)
- Test and debug all implemented features.
- Optimize performance for deployment.

Sprint 5 (Week 9-10)
- Deploy ConnectX.
- Provide user onboarding and gather feedback.

5. Tool Screenshots

Backlog

Q Search   N   Epic ⌄   Label ⌄

+ Create issue

☐ ⌄ **Backlog** (7 issues)	31.5 0 0	Plan on whiteboard TRY	Create sprint
🔖 SCRUM-1 Automate responses to direct messages based on specific keywords.	TO DO ⌄	5	
🔖 SCRUM-4 Enable AI-driven full conversations with customers.	TO DO ⌄	7	
🔖 SCRUM-5 Allow users to integrate their social media accounts for automation.	TO DO ⌄	4	
🔖 SCRUM-7 Implement the backend using the Next.js stack.	TO DO ⌄	5	
🔖 SCRUM-8 Provide detailed analytics for engagement metrics and automation perf...	TO DO ⌄	3	
🔖 SCRUM-9 Attach automations to specific posts.	TO DO ⌄	4	
🔖 SCRUM-10 Add quality-of-life features like batch messaging and multi-account in...	TO DO ⌄	3.5	

+ Create issue

Sprint name *

SCRUM Sprint 1

Start date *

1/19/2025   10:13 AM   ⊗

End date *

1/26/2025   10:12 AM   ⊗

Sprint goal

Sprint Objectives:
 Design Phase

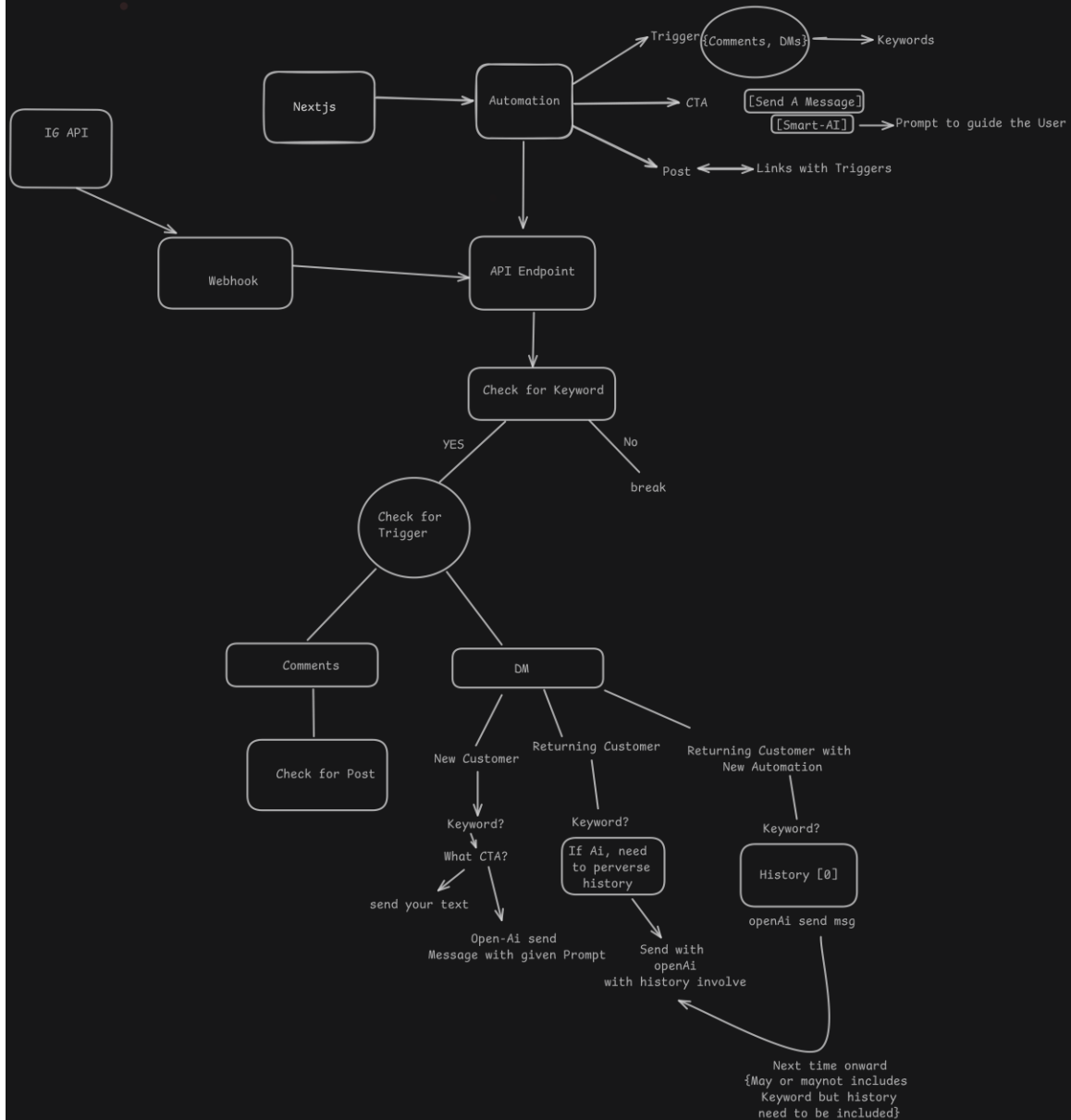Task 1.1: Create wireframes for the subscription plan interface.
Tool: Figma
Deliverable: Low-fidelity and high-fidelity wireframes.

Task 1.2: Develop a design system for consistent UI elements.
Deliverable: Component library with buttons, inputs, and other reusable elements.

6. Team Contributions

Team Member	Contribution
Mann Patel	Front-end development of integration setup and dashboard UI.
Romeen Nizar Wadsariya	Back-end development and sprint management as Scrum Master.

Nitish Bhardwaj	Front-end development of automation interfaces.
Basil Syed	Back-end development and prioritization as Product Owner.
Kashish Jitendrakumar Patel	Front-end UI enhancements and workflow integration.
Neel Pritesh Khambhata	Implementation of AI capabilities and analytics backend.

7. Challenges and Next Steps

Challenges:
- Integrating AI for conversational accuracy.
- Sleek and user-friendly UI/UX
- Ensuring compatibility with Instagram's API for smooth automation.
- Coordinating tasks across multiple sprints effectively.

Next Steps:
- Refine sprint backlog and initiate Sprint 1 tasks.
- Prepare testing protocols for upcoming features.
- Collaborate on AI training for response generation.