


GoComet Onboarding

 **Team Size:** 4 interns per team (5 teams in total) [BE/FE/QA] & 2 mentors

 **Duration:** 8 Days

 **Objective:** Build and launch a **full-fledged SaaS product** using **no-code tools**, **custom backend logic (Ruby/Node.js)**, and **AI tools** to maximize efficiency.

The Challenge

Each team must **ideate, develop, and deploy** a SaaS product that:

- ✓ Solves a real business problem (after discussing with the product team).
 - ✓ Uses **AI tools like ChatGPT, GitHub Copilot, and LangChain** for coding, automation, and intelligence.
 - ✓ Uses **no-code tools** for UI, database, automation, and analytics.
 - ✓ Implements **custom backend logic** (Ruby or Node.js).
 - ✓ Has authentication, data storage, admin dashboard, analytics, and automation.
 - ✓ Is deployed and **demonstrated live** at the end of the assignment.
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AI Tools & How to Use Them

AI Tool	Usage in the Assignment
ChatGPT / GPT-4	Generate code snippets, write documentation, debug errors, create test cases, and even brainstorm product features.
GitHub Copilot	Auto-complete backend code in Ruby/Node.js, suggest API structures, and optimize performance.
LangChain	Build AI-driven features like chatbots, data enrichment, or intelligent automation workflows.
Midjourney/DALL·E	Create UI/UX mockups, generate icons, or enhance presentation slides with AI-generated images.
Make/Zapier (AI Automations)	Connect AI with no-code tools for smart automation (e.g., auto-respond to emails, summarize data).

PostHog/Mixpanel with AI	Use AI-powered analytics to predict user behavior or trends in the app.
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Assignment Scope

♦ Phase 1: Ideation & Business Understanding (Day 0-Day1)

- **Meet with the Product Team** (each team gets 1 hour).
- Define the **business problem, target audience, and core features**.
- Use **ChatGPT/GPT-4** to refine problem statements & generate a project roadmap.
- Assign responsibilities within the team.
- Design wireframes and workflows.
- **Mentors review and approve the plan** before coding starts.

♦ Phase 2: Development Sprint (Day 2-4)

Complete MVP in 3 days!

- **Frontend:** Use Webflow, Softr, Framer, or Bubble to build the UI, Can also build using React / Next.
- **Backend:**
 - Use Firebase/Airtable/Xano for quick API setup.
 - Implement **custom logic using Node.js or Ruby** (leveraging **GitHub Copilot**).
- **AI-Powered Features:**
 - Implement **ChatGPT APIs for smart automation/chatbots**.
 - Use **LangChain for intelligent workflows**.
 - Automate repetitive tasks using AI.
- **Automation & Integrations:**
 - Use **Make (Integromat), Zapier, or n8n** to connect services.
 - Implement **AI-powered auto-email responses, auto-summarization, or predictive insights**.
- **Analytics & Tracking:**
 - Integrate Google Analytics, Mixpanel, or PostHog.
 - Use **AI-driven insights to predict user behavior**.
 - ♦ **Daily Standups with Mentors** for feedback and problem-solving.

♦ Phase 3: Testing & Documentation (Day 5-6)

- Use ChatGPT for test case generation.
- Perform **unit & integration testing** (manual & AI-assisted).
- Write **API documentation & architecture diagrams**.
- **Prepare a 5-min presentation & demo**.

♦ Phase 4: Demo & Final Pitch (Day 7)

- Each team **pitches their product** with a live demo.
 - The top 2 teams get a reward! 🏆
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Allowed Tech Stack & Tools

No-Code/Low-Code:

- ✓ **Frontend:** Webflow, Softr, Framer, Bubble
- ✓ **Backend:** Firebase, Xano, Airtable
- ✓ **Automation:** Make, Zapier, n8n
- ✓ **Analytics:** Google Analytics, Mixpanel, PostHog

AI-Powered Tools:

- ✓ **ChatGPT/GPT-4** – Code generation, automation, documentation, and debugging
- ✓ **GitHub Copilot** – Autocomplete & optimize backend logic
- ✓ **LangChain** – AI-powered automation & chatbots
- ✓ **DALL·E/Midjourney** – UI/UX assets, presentations
- ✓ **AI in Analytics** – PostHog/Mixpanel for AI-driven insights

Custom Code (Mandatory):

- ✓ **Backend:** Ruby (Rails), Node.js (Express, NestJS)
 - ✓ **API Development & AI Integrations**
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What You'll Learn

- ✓ **Collaboration:** Work as a team under tight deadlines.
 - ✓ **Tech Stack:** Hands-on experience in Ruby, Node.js, no-code tools, & AI.
 - ✓ **AI-Driven SaaS:** Learn **how to integrate AI for automation, chat, and insights.**
 - ✓ **Business Sense:** Solve real-world problems with product-driven thinking.
 - ✓ **Code Quality:** Write clean, well-documented, testable code.
 - ✓ **High-Pressure Execution:** Deliver fast without compromising quality.
 - ✓ **Winning as a Team:** Compete, collaborate, and innovate!
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Timeline & Milestones

- **Day 1:** Business discussions + Planning
 - **Day 2-4:** Development Sprint (Daily mentor check-ins)
 - **Day 5-6:** Testing + Documentation
 - **Day 7:** Demo & Evaluation
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Submission Requirements



Live Demo Link



API Documentation



Architecture Diagram



5-Minute Pitch Video



Evaluation Criteria

Teams will be evaluated based on the following parameters:

1. Planning

- a. Scope
- b. Product understanding
- c. Communication
- d. Product Requirements Document (PRD)
- e. Acceptance cases
- f. HLD & LLD

2. Developing Skills

- a. Architecture
- b. Code quality
- c. Coverage of automation test cases

3. Impact Analysis

- a. Demo effectiveness
- b. Innovation
- c. Value delivered
- d. Documentation quality