**Prompt Package with AI Instructions**

**(Nordic Software Hackathon )**

**🧠 Module 1: Concept Development and Personalization**

**🎯 Prompt – *"AI Concept for Workplace Learning"***

You are an AI expert and learning designer. Create 3 concepts on how AI can revolutionize workplace learning. Focus on:  
a) adaptive learning,  
b) simulation-based training, and  
c) behavior-based recommendations.

**📥 In-App Use**

* Use during onboarding: AI suggests learning design concepts for the user to choose from.
* Output can be displayed in a “Choose Your Learning Design” UI card.

**📘 Module 2: Learning Content Generation**

**✏️ Prompt – *"Personalized Micro-Lesson"***

Create a 5-minute micro-lesson in project management for a newly hired IT project manager. Focus: agile sprint planning. Break it down into:

1. **Introduction**
2. **Step-by-step guide**
3. **Real-world example**
4. **Quiz (3 questions)**

**📥 In-App Use**

* Can be automatically generated after the user selects a topic.
* Use GPT-4 API or Claude to generate the text and quiz.
* Present as cards or micro-learning tiles in the UI.

**🎮 Module 3: Simulation and Scenario-Based Training**

**🧑‍💼 Prompt – *"Customer Conversation Simulation"***

Create a simulated conversation between an employee and a frustrated customer who did not receive a service on time. Include AI-driven response options and provide feedback on each decision.

**📥 In-App Use**

* Use within an interactive chatbot UI with choice-based progression.
* Simulate in Unity or a React frontend.
* The LLM selects the next scenario based on the user’s responses.

**📊 Module 4: AI Analysis and Recommendation**

**📈 Prompt – *"Learning Analysis"***

Use the following fictional conversation: “Hi team, let’s talk about how we can improve communication in our projects…” Identify learning needs, suggest interventions, and recommend relevant modules from the learning platform.

**📥 In-App Use**

* Connect to transcripts from meetings or messages (e.g., MS Teams).
* Use embeddings + LLM analysis to extract learning opportunities.
* Display as recommended courses on the user’s dashboard.

**🧩 Component Stack & Tools**

| **Component** | **Tool/Recommendation** | **Notes** |
| --- | --- | --- |
| LLM Service | OpenAI GPT-4 / Claude | For content, dialogue, and feedback |
| Backend API | LangChain / FastAPI | Connect frontend with AI logic |
| Data Platform | Couchbase Capella + vector search | Embeddings + fast retrieval |
| Authentication | Kong API Gateway + Curity | Role-based secure access |
| Frontend | React (with Chat UI component) | Flexible and user-friendly |
| Hosting | Google Cloud Run / Vercel | Rapid deployment |

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