AI for Connectivity Hackathon

Team Gamez

Teacher's Helper

Connecting teaching resources
to teachers and students.

Google Drive

Lesson Plan

Generate a lesson plan for a topic or objective you're teaching.

Grade level: *

6th grade

Topic, Standard, or Objective: *

How do food webs describe the ways in which animals in an ecosystem are related?

Additional Criteria:

This lesson will be an introductory lesson where students are being introduced to the roles that particular organisms play in an ecosystem, including producers, primary consumers, secondary consumers and decomposers.

Get Help With Prompt

Standards Set to Align to:

NGSS

Generate

Exploring Food Webs in Ecosystems

Objective:

Students will be able to describe how food webs depict the relationships between animals in an ecosystem, including the roles of producers, primary consumers, secondary consumers, and decomposers.

Assessment:

At the end of the lesson, students will complete a worksheet where they identify the different organisms in a food web and label them as producers, primary consumers, secondary consumers, or decomposers.

Key Points:

- Food webs are diagrams that show the feeding relationships between organisms in an ecosystem.
- Producers, such as plants, use sunlight to make their own food through photosynthesis.
- Primary consumers, such as herbivores, eat the producers.
- Secondary consumers, such as carnivores, eat the primary consumers.
- Decomposers, such as bacteria and fungi, break down dead organisms and waste, returning nutrients to the ecosystem.

Opening:

- Begin the lesson by showing students a picture of a food web and ask them to identify the different organisms in the web.
- Engage students in a discussion about how they think the organisms in the web are related to each other.

Introduction to New Material:

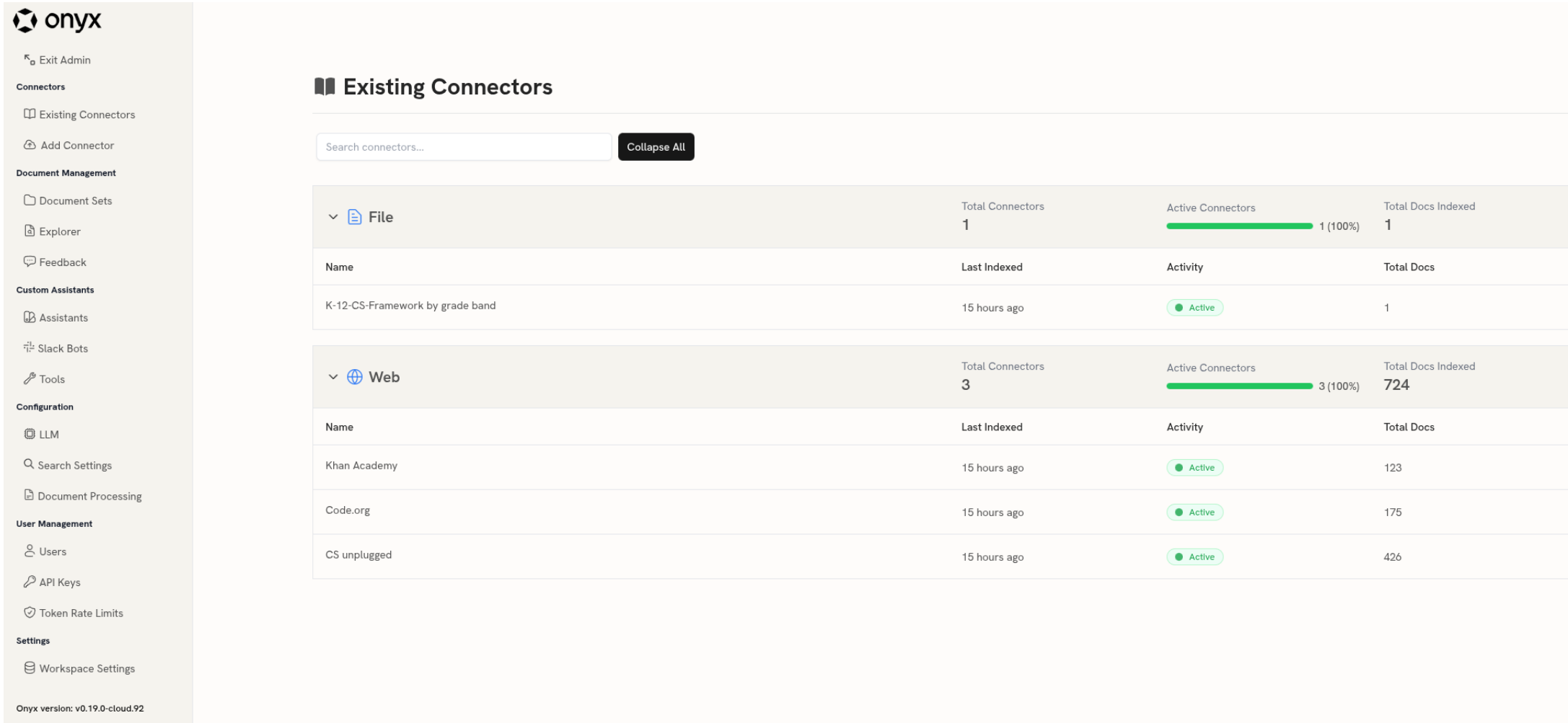
- Provide students with a definition of a food web and explain its purpose in representing the relationships between organisms in an ecosystem.
- Show examples of different organisms and ask students to identify whether they are producers, primary consumers, secondary consumers, or decomposers.
- Address the misconception that animals can only be part of one food chain and emphasize the interconnectedness of organisms in a food web.

Guided Practice:

- Divide students into small groups and provide them with food web diagrams.
- Ask students to identify the different organisms in the food web and label them according to their roles as producers, primary consumers, secondary consumers, or decomposers.
- Circulate throughout the classroom, monitoring student performance and providing guidance and support as needed.

Independent Practice:

- Distribute the worksheet to each student.
- Instruct students to identify and label the organisms in the given food web diagram.
- Encourage students to refer back to the key points discussed earlier in the lesson.
- Set clear behavioral expectations for the independent practice time.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Connectors
Existing Connectors
Add Connector
Document Management
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Feedback
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Slack Bots
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LLM
Search Settings
Document Processing
User Management
Users
API Keys
Token Rate Limits
Settings
Workspace Settings
Onyx version: v0.19.0-cloud.92
Existing Connectors
Search connectors...
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Total Connectors
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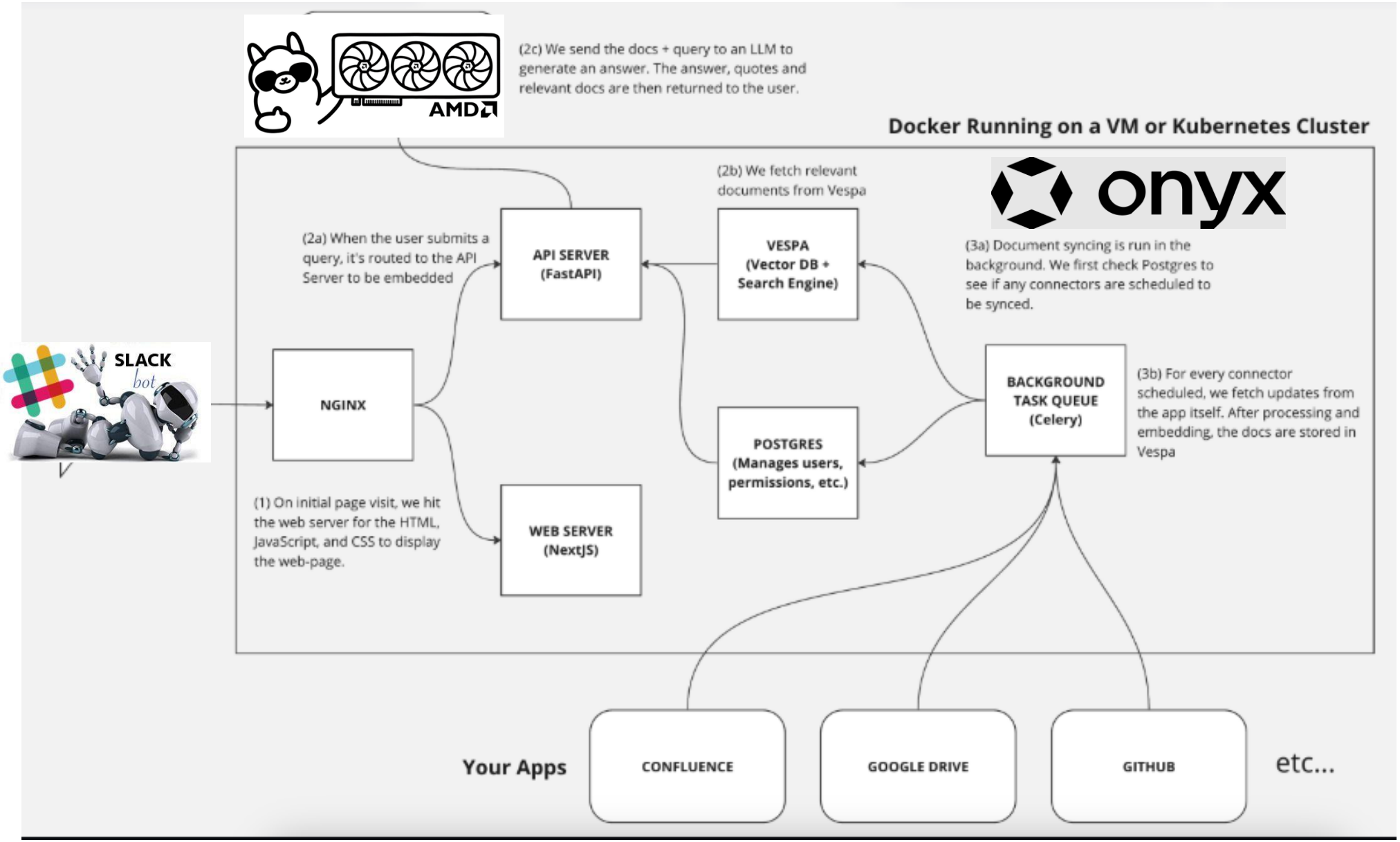
AMD
(2c) We send the docs + query to an LLM to generate an answer. The answer, quotes and relevant docs are then returned to the user.
Docker Running on a VM or Kubernetes Cluster
onyx
(2b) We fetch relevant documents from Vespa
(2a) When the user submits a query, it's routed to the API Server to be embedded
API SERVER (FastAPI)
VESPA (Vector DB + Search Engine)
(3a) Document syncing is run in the background. We first check Postgres to see if any connectors are scheduled to be synced.
SLACK bot
NGINX
BACKGROUND TASK QUEUE (Celery)
(3b) For every connector scheduled, we fetch updates from the app itself. After processing and embedding, the docs are stored in Vespa
POSTGRES (Manages users, permissions, etc.)
(1) On initial page visit, we hit the web server for the HTML, JavaScript, and CSS to display the web-page.
WEB SERVER (NextJS)
Your Apps
CONFLUENCE
GOOGLE DRIVE
GITHUB
etc...