

# ACC Sprint 1 (Sept 25 – Oct 9)

**Goal:** Create backend proof of concept • Get frontend dummy to a satisfying stopping point • Close out spikes • Complete EKS setup and documentation.

**Theme:** *Establish foundation → integrate core AWS + backend → begin frontend connection.*

---

## Sprint 1 Summary — 4-Up View

### Accomplishments

- **AWS Infrastructure:** EKS Cluster setup, VPC & ECR configured.
- Step Functions & CodeBuild research initiated.
- **Backend:** REST API backbone implemented, AWS integration validated, backend refactored to async service.
- **Frontend:** Main screen + session sidebar developed, text field & upload button functional.
- **Docs & Planning:** Senior Project Dashboard finalized, website & synopsis delivered.

### In Progress

- **DynamoDB Schema Spike (ACC-55):** Initial data model for session storage.
- **Step Functions Deep Dive (ACC-24):** Integration research.
- **Workflow Documentation (ACC-3):** Capturing artifact posting process.

### Risks / Issues

- **AWS Infrastructure Complexity** — *High impact but stabilized.* → Mitigate via IaC (eksctl YAML) and dedicated experts.
- **Underestimated Task Complexity** — *Moderate.* → Break stories down; focus Sprint 2 on Bedrock artifact integration.
- **Model Performance Uncertainty** — *Medium.* → Keep backend model-agnostic; iterate Bedrock prompts & metrics.

### Next Steps

- Finalize **DynamoDB** schema & connect **Bedrock API**.
  - Connect **frontend** to **backend** via **API Gateway**.
  - Implement **artifact generation endpoint** using Bedrock.
  - Plan **Cognito authentication** for secure access.
-