

Sprint 2 Summary 4-Up View

Accomplishments

- EKS Restoration & Terraform: Cluster reset and fully operational; backend now deployable with Terraform.
- Verified AWS credit usage and minimized idle costs.
- Backend converted into deployable with fresh eks cluster w/ terraform.
- DynamoDB schema diagram drafted for user input + AI output storage.
- Defined required VPC endpoints and improved cost visibility.

In Progress

- AWS Bedrock Model Metrics (ACC-6): Prompt experimentation and tracking.
 - Midterm Evaluation 1st semester
- DynamoDB Schema (ACC-55): Visual ERD and backend integration.
- Cognito Auth (ACC-59): API Gateway auth setup.
- DynamoDB Connection (ACC-60): Backend session storage link.
- Frontend Hosting (ACC-61): CloudFront + S3 deployment.
- Front and back end linking

Risks / Issues

- AWS Cost Overruns (VPC Endpoints): High impact: Audit and disable unused services; shift to Lambda.
- Terraform Complexity & Automation: Moderate: Keep IaC under version control and document resources.
- Bedrock Integration Uncertainty: Medium: Keep model-agnostic, evaluate latency + API costs.

Next Steps (Sprint 3 Preview)

- Finalize DynamoDB schema and connect backend.
- Deploy Bedrock prompt evaluation pipeline.
- Complete Cognito auth and frontend hosting.
- Optimize VPC and Lambda usage for cost efficiency.
- Begin Textual Feedback endpoint (ACC-65).