# UBIK AI Assistant Project Progress Report

1 Completed Tasks (as of July 9, 2025)

* UI Design
  + Designed an intuitive and visually appealing interface for the 3D animated chatbot.
  + Created user-friendly quiz and instruction pages with responsive layouts.
* Flask Backend Setup
  + Configured Flask backend with all necessary endpoints for chatbot and quiz func- tionality.
  + Ensured secure and eﬀicient routing for API interactions.
* Gemini Flash 2.0 Integration
  + Integrated Gemini Flash 2.0 API for chatbot responses.
  + Configured API to restrict chatbot answers to UBIK Solutions’ scraped data.
* Web Scraping of UBIK Content
  + Scraped relevant content from UBIK Solutions’ website.
  + Organized data to support accurate and context-specific chatbot responses.
* Quiz Setup and Feedback Scoring Logic
  + Developed a 5-question quiz module with dynamic question rendering.
  + Implemented scoring logic using Gemini API to evaluate user responses and provide feedback.
* Summary Generation
  + Built functionality to generate a comprehensive summary report after quiz submis- sion.
  + Included detailed feedback and performance metrics in the report.

# 2 Upcoming Tasks (Thursday and Friday)

* Thursday, July 10, 2025
  + Add Blend Shape Animations for Avatar

∗ Implement blend shape animations to enhance the 3D chatbot’s expressiveness.

∗ Ensure animations align with user interactions for a lifelike experience.

* + Finalize Quiz Submission and Result Summary

∗ Refine quiz submission process to ensure a smooth user experience.

∗ Enhance summary report with polished formatting and additional insights.

* Friday, July 11, 2025
  + Make Avatar Talk Using TTS

∗ Integrate Text-to-Speech (TTS) to sync avatar lip movements with Gemini API responses.

∗ Test audio-visual synchronization for seamless communication.

* + Deploy Flask App

∗ Deploy the Flask application to a production environment.

∗ Conduct thorough testing to ensure stability and performance.

# 3 Final Deliverables (Due Friday, July 11, 2025)

* Fully functional 3D animated chatbot with blend shape animations and TTS integra- tion.
* Polished quiz module with seamless submission and detailed summary reports.
* Deployed Flask application with all endpoints operational.
* Comprehensive documentation for the application, including setup and usage instruc- tions.