# JobQuest Navigator – Week 4 Update Report

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Course Code: CAA900

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## Project Summary

This week, the team made significant progress in both project planning and initial development activities. Key highlights include:

## Selection of Job Market API:

## Adzuna API was selected as the primary job market data source for our project.

## Rationale: Adzuna offers a reliable free tier and comprehensive job listings, making it suitable for our needs.

## API Integration Testing:

## Successfully tested the Adzuna API for data extraction and integration with our project database.

## Confirmed that collected job market information can be stored and retrieved efficiently.

* **Microservices Development:**
  + **Epic 1:**
    - Microservices architecture was elaborated, and initial designs were drafted.
    - Each team member was assigned specific microservices to evaluate and develop.

## Accomplishments

## In Progress

* **Microservices Development:**
  + - Ongoing evaluation and development of microservices for each epic.
* **Project Documentation:**
  + - Continuous updating of project documentation on GitHub.

## Challenges or Blockers

* **Collaborative Work Structure:**
  + - Need to clearly define the structure for working across epics and tasks.
* **Action Taken:**
  + - Sprints were defined based on epics and tasks to ensure all team members work in sync.
* **Resource Limitations:**
  + - Limited access to certain APIs (e.g., CareerJet, Juju, Workable) due to signup or request requirements.
* **Mitigation:**
  + - Focus on Adzuna API for initial development; other APIs to be explored as needed.

## Plan for Next Week

* **Microservices Development:**
  + - Finalize and assign microservices for each epic.
    - Each team member should work on their assigned microservices.
* **API Expansion:**
  + - Explore integration of additional job market APIs if feasible.
* **Project Management:**
  + - Continue using GitHub for documentation and code management.
    - Hold regular check-ins to monitor progress and address any blockers.
* **UI/UX Planning:**
  + - Begin working on Figma wireframes and UI design to visualize the application interface.