



Praesignis AWS re/Start Special Projects

Project 1 - Building a Static Website for a Restaurant and Presenting AWS Migration Benefits

1. Project Overview

You are tasked with creating a static website for a real-world restaurant (you can choose an existing local restaurant or a small business). The restaurant is experiencing operational challenges due to a high volume of customer bookings and orders, which are getting mixed up, and the owner is struggling to find a solution. The owner wants to use a simple static website to streamline customer interactions and improve order and booking management. Additionally, you will prepare a presentation to showcase the benefits of migrating the restaurant's digital presence to AWS, targeting a panel of your choice (e.g., the restaurant owner or a mock business panel).

2. Project Deliverables

- 2.1. **Static Website:** Build a fully functional static website for the restaurant, hosted on AWS.
- 2.2. **PowerPoint Presentation:** Create a presentation (slides and notes) covering the restaurant's overview, challenges, AWS services, cost analysis, and benefits of migrating to AWS.

3. Project Requirements

3.1. Static Website Development:

- 3.1.1. Build a **simple static website** for the restaurant using the current lab setup.
- 3.1.2. Optionally, **store website images** (e.g., menu photos or restaurant ambiance) in the database if feasible; otherwise, use Amazon S3 for image hosting.
- 3.1.. Ensure the website is **user-friendly**, with a **clean design** to help customers easily make bookings or place orders. Include **features** like a booking form, an order submission form, and a confirmation page.



- 3.1.4.** Use ***minimal colours*** to keep text readable, but incorporate images, videos, or animations to enhance the website's design (e.g., photos of the restaurant, a short video of the dining experience, or an animated menu display).

3.2. AWS Services Presentation

3.2.1. Company Overview

The restaurant (e.g., “Tasty Bistro,” a local eatery) is a popular dining spot experiencing a surge in customers. They receive a high volume of bookings and orders daily, both in-person and via phone or email. However, their current manual system (e.g., paper-based or basic spreadsheet tracking) leads to frequent mix-ups—orders get confused, bookings are double-booked, and the owner struggles to track customer preferences or confirmations. The owner wants to implement a simple static website to allow customers to make bookings and place orders online, reducing errors and improving efficiency.

3.2.2. Restaurant Challenges

- The restaurant has not migrated to the cloud and relies on manual or on-premises systems (e.g., paper records or a local computer) to manage bookings and orders.
- This leads to operational inefficiencies: order mix-ups (e.g., wrong dishes delivered), double bookings, and delays in confirming customer requests.
- The owner lacks a centralised system to track customer data, making it hard to identify repeat customers or manage special requests.
- Scaling the current system to handle more customers is costly and time-consuming (e.g., hiring more staff to manage orders or upgrading on-premises hardware).

3.2.3. AWS Services: Recommend AWS services to address the restaurant's needs:

- Use Amazon S3 to host the static website and store images (e.g., menu photos).

3.2.4. Benefits: Explain why the restaurant should choose AWS.



3.2.5. Presentation Guidelines

- Conciseness of presentation; avoid overloading slides with information (use notes on the side for additional details).
- Use minimal colours to ensure text visibility, but include images, videos, or animations to make the presentation engaging (e.g., screenshots of the website's booking form, a demo video of placing an order, or AWS service diagrams).