Building a Static Website for a Restaurant Using AWS

Praesignis AWS re/Start Program
Project 1 – AWS Special: Static Website & Migration Benefits
Presented by: Group 3

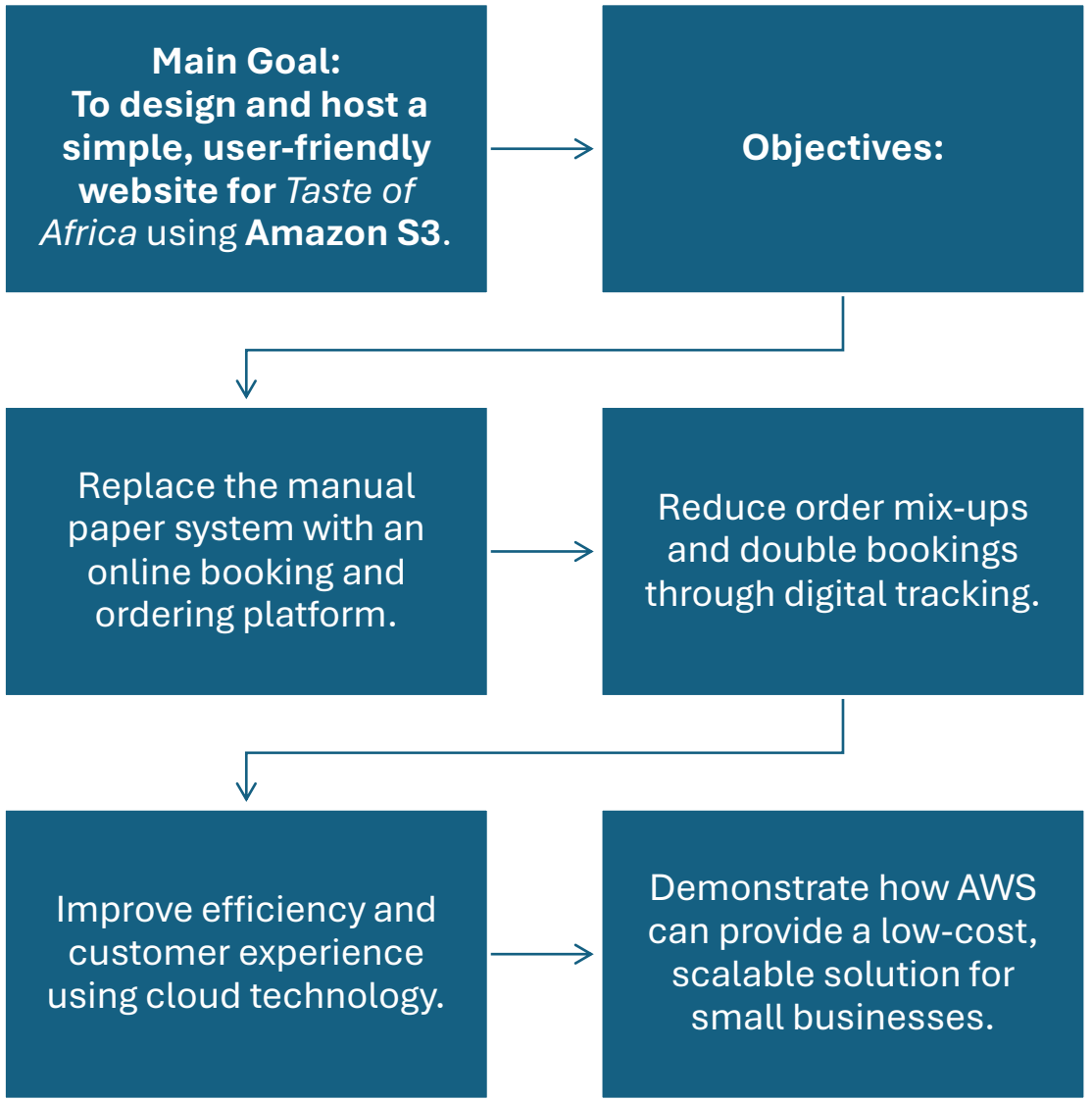
About Taste of Africa

- **Overview:**
  Taste of Africa is a local restaurant that brings together authentic African dishes, rich flavors, and warm hospitality. The restaurant celebrates African culture through its food and dining experience.
- **Operations:**
  The business receives a high volume of customer bookings and orders every day, both in-person and by phone. However, the manual paper-based system has led to confusion, double bookings, and lost orders.
- **Purpose of the Project:**
  To introduce a simple AWS-hosted website that helps customers make online bookings and orders reducing errors, improving efficiency, and enhancing the overall experience.

Challenges

- **Manual System**
  The restaurant still uses paper and phone bookings, which often leads to confusion and mix-ups.
- **Frequent Errors**
  Orders get lost or duplicated, and double bookings happen because there's no online record system.
- **No Centralized Data**
  Customer information and preferences aren't stored anywhere, making it hard to identify repeat customers.
- **Expensive to Scale**
  Managing more customers means hiring extra staff or buying new computers both costly and time-consuming.

Project Goal



Website Features

- **Home Page:**
  Introduces *Taste of Africa* with a short description, slogan, and welcoming images.
- **Menu Page:**
  Displays dishes, prices, and meal photos so customers can easily browse.
- **Booking Page:**
  Includes a simple online form for customers to make table reservations.
- **Contact Page:**
  Shows contact details, location, and a message box for inquiries.
- **Design Style:**
  Uses African-inspired colors brown, gold, and white for a warm and modern feel.

AWS Services Used

Amazon S3 (Simple Storage Service):
Used to host our static website and store images, CSS, and HTML files.
It makes the site accessible to customers anytime, without a traditional server.

IAM (Identity and Access Management):
Used to create and manage user permissions safely.
Helps ensure only authorized users can edit or upload website files.

CloudWatch:
Used to monitor website availability and performance for future improvements.

Benefits of AWS

Low Cost
AWS Free Tier allows the restaurant to host the website at almost no cost.

Reliability
The site stays available 24/7, giving customers constant access to bookings and menus.

Security
IAM ensures only authorized users can manage the website files.

Scalability
As the business grows, AWS can easily handle more traffic without extra hardware.

Simplicity
AWS services are easy to use and reduce the need for technical staff.

Cost Comparison

Feature / Expense	Manual System (Old Way)	AWS Cloud (New Way)
System Setup	Requires computers, paper records, and software	Free to host using AWS S3 Free Tier
Maintenance	Needs IT support and upgrades	No maintenance required
Data Storage	Kept in files or on local computers	Stored securely in the cloud
Accessibility	Only in-store	Accessible online anytime
Cost	High and ongoing	Very low and pay-as-you-go

Team Learning

Learned how to **create and host a website** using Amazon S3.

Gained experience in **setting bucket policies** and managing access with IAM.

Explored how **CloudWatch** helps monitor website performance.

Improved teamwork, communication, and project coordination.

Understood how AWS helps small businesses solve real challenges.

Conclusion

AWS helped us solve the restaurant's real business challenges.

Using **Amazon S3**, we hosted a live website that replaces manual systems.

IAM and **CloudWatch** made the setup secure, reliable, and easy to manage.

The project shows how cloud technology can help small businesses grow with low costs and high efficiency.

Thank You! 🙏