



AWS Capstone

Case Study

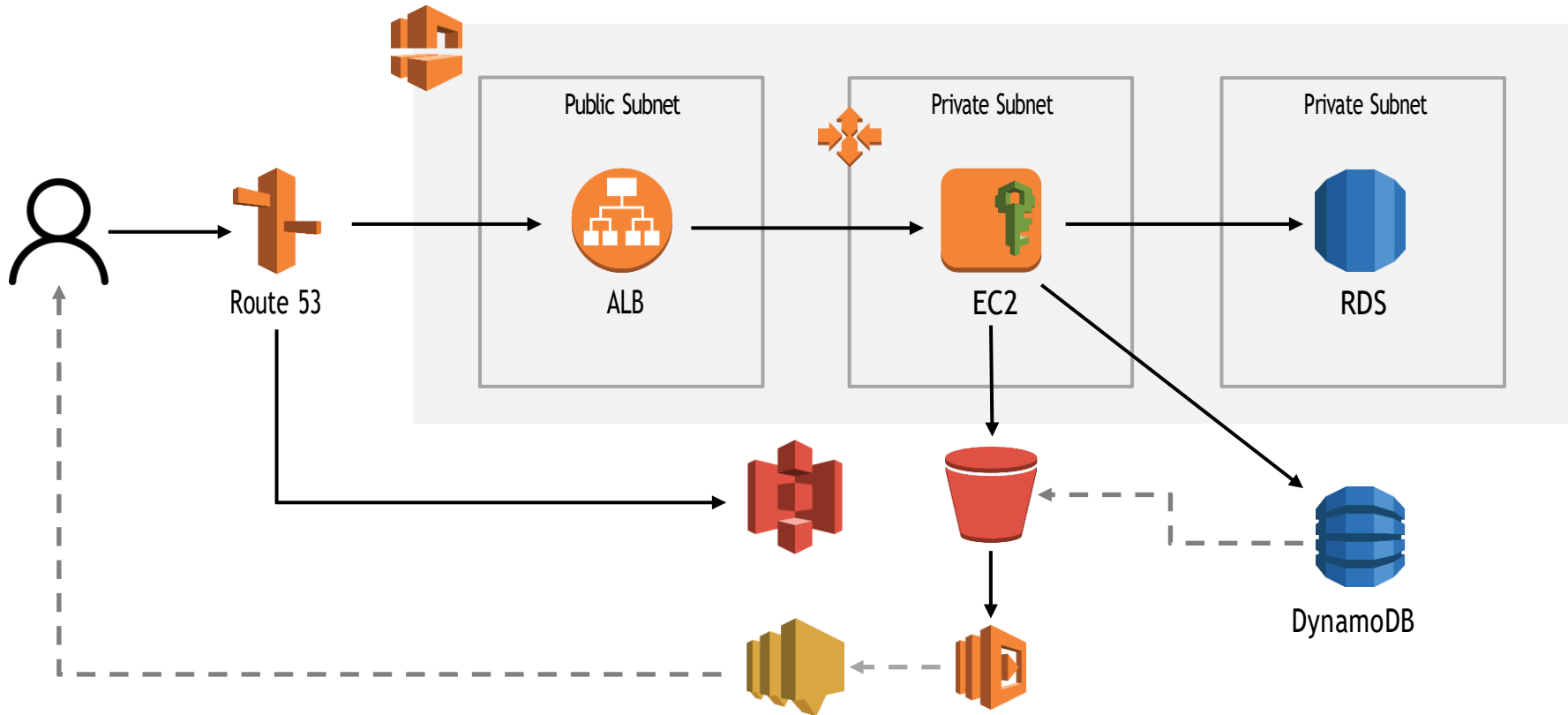
Agenda

Lets create an application using a few services that have been discussed in this course

Application

Employee profile of XYZ company - New employees input their information and upload photos. Existing employees can get their information.

Technical Architecture



AWS Setup

- Setup VPC for Load Balancer, Application EC2 instance and RDS Database - one public and two private subnets.
- Create Load balancer and Auto Scaling Group.
- Create RDS DB instance and DynamoDB table.
- S3 Bucket
- Get domain name and map it with Load Balancer
- Create instance profile that has to be attached to the EC2 instances being launched. Instance profile should have permission to access RDS, DynamoDB and S3 bucket.
- Lambda function to get triggered when an object is uploaded to the bucket
- SNS Topic for Lambda and user email id subscription

Application Architecture

XYZ Internal Web Page



Main Page

User Input
Employee Name
Location
Age
Technology

Upload Photo



RDS (MySQL)



S3 Object



Image Metadata

About Us page

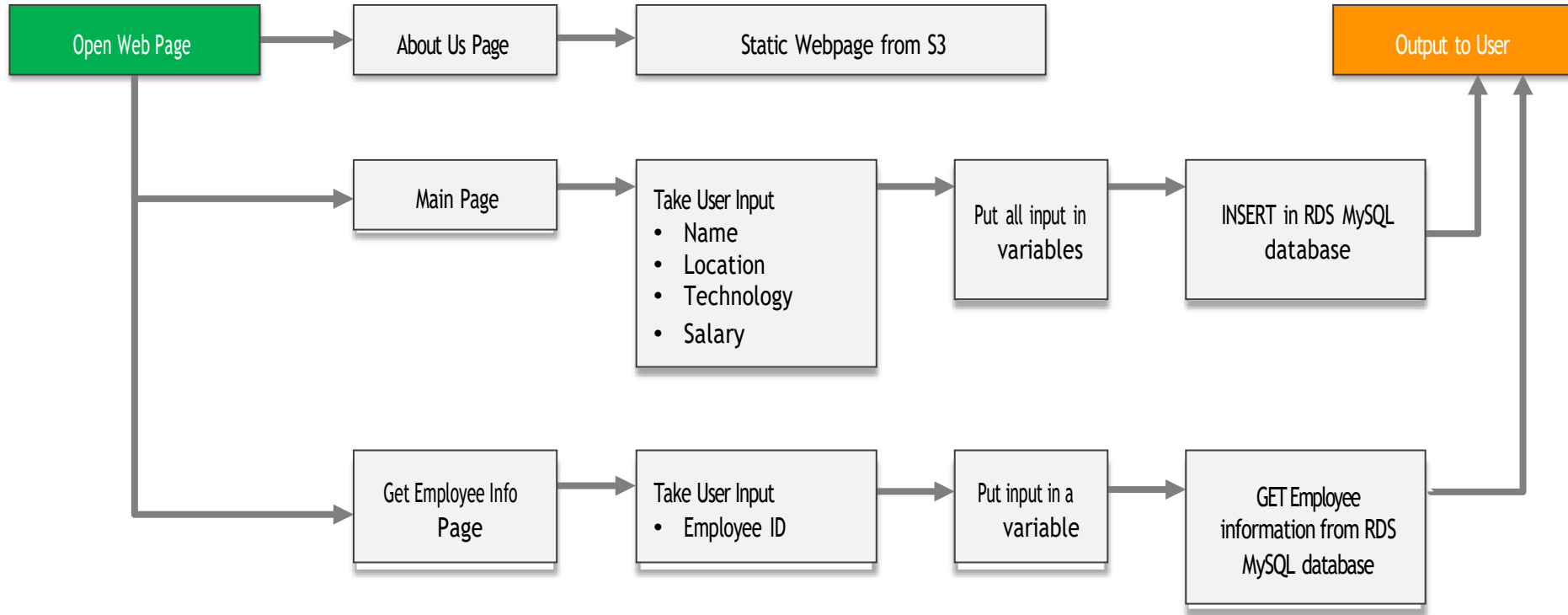


Static Website on S3

Employee Information

Employee ID

Application Logic



Steps

