AWS Services Research and Presentation Activity

**Objective:**

Research and present one of the key AWS services that we will be using in our projects. Your presentation should help your classmates understand the service, its use cases, and how it fits into our application architecture.

**Instructions:**

1. **Service Assignment**:
   * You will be assigned one of the following AWS services to research:
     + Amazon EC2
     + Elastic Beanstalk
     + Amazon RDS (with a focus on PostgreSQL)
     + Amazon API Gateway
     + AWS Fargate
     + AWS Amplify
     + AWS Lambda
     + AWS Elastic Container Service
     + AWS CloudWatch (for logging)
     + AWS CloudFormation (for infrastructure as code)
     + AWS CodeBuild (for CI/CD)
2. **Research**:
   * We will start by watching the AWS services overview video together as a class: [AWS Services Overview](https://www.youtube.com/watch?v=JIbIYCM48to&t=439s)
   * Use AWS documentation and other reputable sources to gather detailed information about your assigned service.
   * Focus on the following aspects:
     + **Introduction**: What is the service and what problems does it solve?
     + **Core Features**: Key features and functionalities of the service.
     + **Use Cases**: Examples of when and how the service is typically used.
     + **Integration**: How the service can be integrated into our Spring Boot and React projects.
3. **Presentation**:
   * Prepare a 5-10 minute presentation to share with the class.
   * Include slides or other visual aids to help illustrate your points.
   * Make sure to cover the following in your presentation:
     + Overview of the service
     + Key features and functionalities
     + Practical use cases
     + Specific examples of how it will be used in our project
   * Be prepared to answer questions from your classmates.