

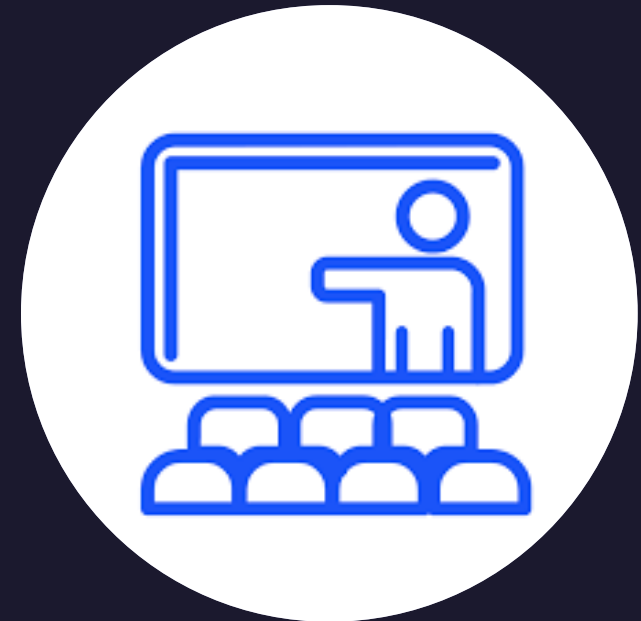


AUDIO ROOM

CS552-01 | Group 6

Motivation

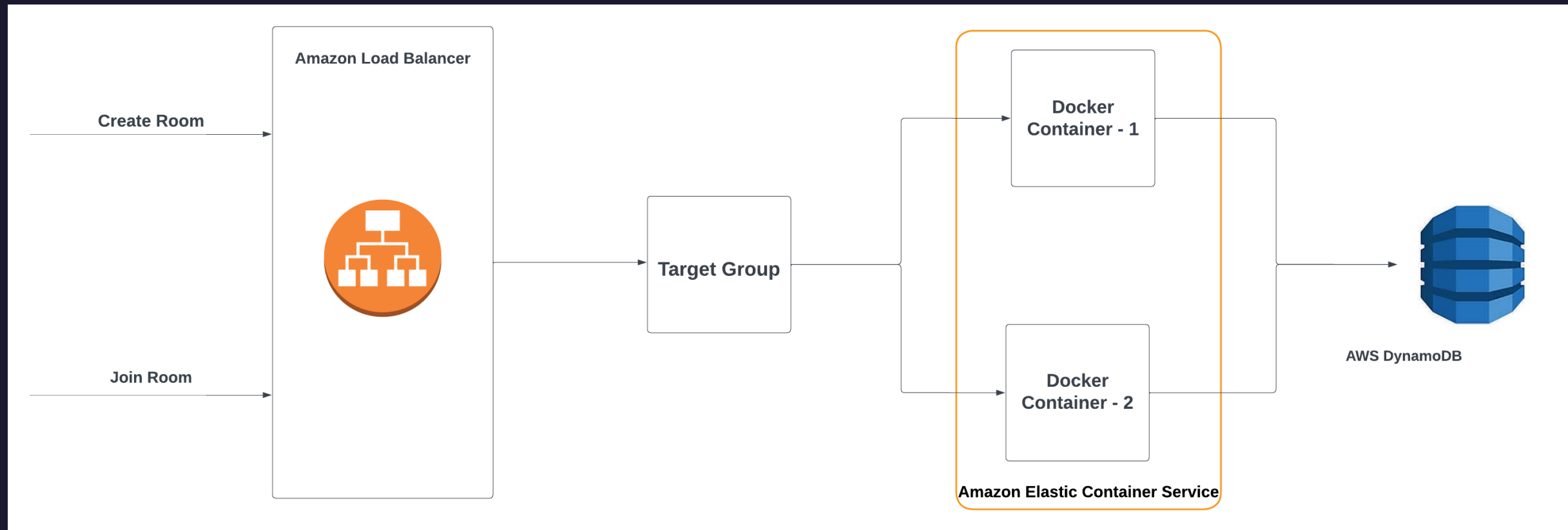
- Bring in implementation insights of peer to peer and real time communication.
- Understand the design of many real time communication channels like zoom and implement audio as the media type option between the peers connected
- Get exposure to cloud services such as load balancer elastic container service and DynamoDB.



Project Output

- User should be able to create a room and share the link to other respective users to join.
- Should be able to allow all the users who try to join a particular room and establish the connection so that they can exchange the information.

Architecture



Cloud services and their purpose

- Amazon Load Balancer : To route traffic to different targets based on content of the request.
- Amazon Elastic Container Service : To manage docker containers on a cluster of EC2 instances.
- DynamoDB: To store session details related data that allows users to establish connection.
- Technology stack:
 - ReactJS - For web UI
 - Spring boot - For developing rest api
 - Docker - To create images
 - Db - DynamoDB



Thank You

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