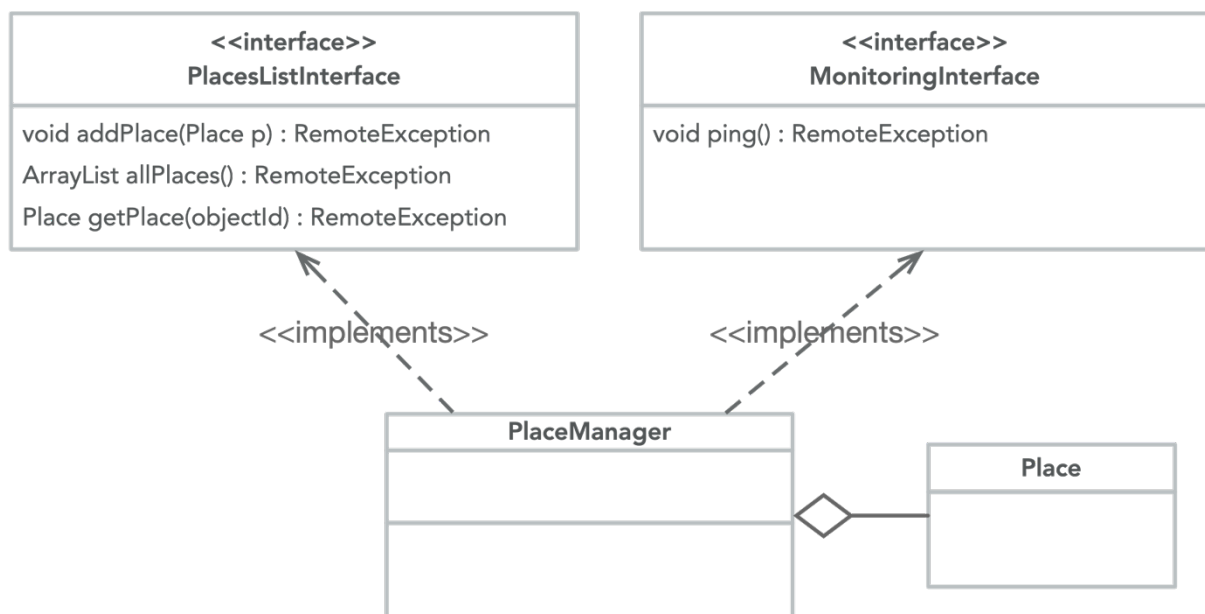


Server



Goals

Develop a Java application based on the code developed in the practical classes for an object storage service.

The application should integrate the architecture of a distributed system with the aspects described in this statement.

Requirements

The application code developed in class should be adapted to incorporate the following requirements:

1. Elimination of single points of failure through multicasting communication between PlaceManagers.
2. Election of a group leader responsible for communicating with service clients for updates through the leader-followers pattern.
3. All updates are coordinated by group leader
4. Group leader is customer front end for updates
5. Data readings may be requested from any of the group members.
6. The leader of the group is monitored by the remaining elements and replaced in case of failure.
7. Communication between group elements is done using virtual synchrony