

CS 549—Distributed Systems and Cloud Computing

Assignment Two—RESTful DHT—Grading Scheme

50 pts: Project has been completed

1. (16) DHT operations (2 x 6 + 4 x 1 questions): getPred, getSucc, closestPrecedingFinger, get, add, delete, join (4)
2. (8) NodeResource operations (1 x 8 questions): getPred, getSucc, getFinger, putNotify, getBinding, putBinding, deletebinding, findSuccessor
3. (8) NodeService operations (1 x 8 questions): getPred, getSucc, closestPrecedingFinger, notify, getBinding, addBinding, deleteBinding, findSuccessor
4. (18) WebClient (2 x 9 questions): putRequest, deleteRequest, tableRowType, getSucc, getClosestPrecedingFinger, get, add, delete, findSuccessor

40 pts: Testing (requires video):

1. 10 pts: Adding a new node into a DHT network.
2. 10 pts: Adding, retrieving and deleting bindings, at the local node.
3. 20 pts: Adding, retrieving and deleting bindings, at remote nodes (impossible without #1)

10 pts: Report (including Jing video)