

## **CS 549—Distributed Systems and Cloud Computing**

### **Assignment Two—RESTful DHT—Grading Scheme**

30 pts: Project has been completed

1. (15) DHT operations: getPred, getSucc, closestPrecedingFinger, get, add, delete, join (4)
2. (5) NodeResource operations: getPred, getSucc, getFinger, putNotify, getBinding, putBinding, deletebinding, findSuccessor
3. (5) NodeService operations: getPred, getSucc, closestPrecedingFinger, notify, getBinding, addBinding, deleteBinding, findSuccessor
4. (5) WebClient: putRequest, deleteRequest, tableRowType, getSucc, getClosestPrecedingFinger, get, add, delete, findSuccessor

60 pts: Testing (requires video):

1. 20 pts: Joining at least 3 nodes into a DHT network (all on separate EC2 instances).
2. 10 pts: Adding, retrieving and deleting bindings, at the local node. Use `bindings` and `routes` commands to show results of modifying bindings.
3. 30 pts: Adding, retrieving and deleting bindings, at remote nodes (impossible without #1)

10 pts: Report