

Project Title

Internet Relay Chat Application

Project Members

- I. Sarvesh Biradar (sbiradar@pdx.edu)
- II. Amelia Miner (amminer@pdx.edu)

Project Description

We will be building an application which will allow users to communicate with each other via text. This application will be based on the IRC Protocol ([LINK](#)).

Features of Application/Grading Sheet

	IRC Grading Sheet	Points Possible	Points Earned
1	RFC Document	20	
2	Server Process	3	
3	Client can connect to a server	3	
4	Client can create a room	3	
5	Client can list all rooms	3	
6	Client can join a room	3	
7	Client can leave a room	2	
8	Client can list members of a room	3	
9	Multiple clients can connect to a server	5	
10	Client can send messages to a room	5	
11	Client can join multiple (selected) rooms	10	
12	Client can send distinct messages to multiple (selected) rooms	10	
13	Client can disconnect from server	5	
14	Server can disconnect from clients	5	
15	Server can gracefully handle client crashes	5	
16	Client can gracefully handle server crashes	5	

17	Programming Style	10	
	Extra Credit Features		
	Private/Ephemeral Messaging	5	
	Secure/Encrypted Messaging	5	
	File Transfer	5	
	Cloud-Connected Server	5	
	Clients can send messages to clients on other servers	10	
	TOTAL	130	