**ITI 200 Introduction to Cloud Computing**

**[Project AccorD]**

**Team Members**

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# 1. Problem

* The problem that we had set out to solve with our final project was the creation of a simple web-based chat application that is hosted entirely online from the cloud that would allow for people to connect instantly and chat with others online

# 2. Solution

* We went about this by first creating a webpage for our application using HTML
* Then we fleshed out its design with some CSS and Bootstrap
* Our server was created using JQuery and we utilized the AWS to host it all and run on the cloud independently

# 3. Presentation Video

* https://www.youtube.com/watch?v=VZcnAr2frwE

# 4. Lessons Learned

* How to connect a database from Pgadmin to the AWS’s RDS as well as hosting things like images and such for a webpage from the S3 and running the server from a virtual machine on the EC2
* Acquired a deeper understanding of node.js and how to set things up with it as well as its commands and other various terminal commands

# 5. Issues/Bugs Known

* The EC2 had completely removed our instance and we had to restart it from scratch
* Problems with aspects like the node modules folder not being where it was supposed to
* Had to install some extra dependencies for node like express and pg
* The website has a big when it refreshes by way of flickering but other than that it is functional

# 6. Future Versions

* Ability for users to create their own private chatrooms with custom names and other potential personalizations
* A more fleshed out original design for the webpage as well as additional pages

# 7. References

* Professor Thiago’s excellent lectures
* Stack Overflow