**Paper Document**

**1. Live server instance**

**1.1 Server instance information**

IP Address: your ip

OS system: CentOS 7 x86\_64

Key Pair: your key

**2. FTP access**

Program: FileZilla

Host: your ip

Protocol: SFTP

User: your server username

Password: your server password

Publication Key Authentication: Edit -> Settings -> Connection -> SFTP -> Add key file: your key file

**3. SSH access**

Program: PuTTY

Host: your ip

Port: 22

Connection type: SSH

Private key file for authentication: Connection -> SSH -> Auth -> Browse -> Add key file: your key file

Username: your server username

Password: your server password

**4. Program installed on the server**

Apache 2

jdk 1.8.0\_131

PHP 5.4.16

MongoDB Community Edition 3.4.6

Application Server: Jboss EAP 7.0.0.GA

**5. Programming languages/frameworks/component**

Java, JSF 2.2, Javascript, Hibernate, CDI, Marven

**6. Web application server (Jboss EAP 7.0.0.GA)**

**6.1 Web application server information**

Auto start when the server reboot: yes

War file: sgd.war

Directory: /home/ec2-user/jboss-eap/standalone/deployments

Configuration: /home/ec2-user/jboss-eap/standalone/configuration/standalone.xml

Logs: /home/ec2-user/jboss-eap/standalone/log

Data file uploaded: /home/ec2-user/uploads

**6.2 Manually start, stop and restart**

PuTTY terminals,

sudo systemctl start jboss-eap-rhel.service

sudo systemctl stop jboss-eap-rhel.service

sudo systemctl restart jboss-eap-rhel.service

**6.3 Forced Jboss EAP to stop**

PuTTY terminals,

ps -ef|grep java

kill -9 <session\_id that is in the list above>

**7. Database (MongoDB Community Edition 3.4.6)**

**7.1 Database information**

Auto start when the server reboot: yes

Authentication enabled: yes

Logs: /var/log/mongodb/mongod.log

Default port: 27017

DB name: ands

Username: your db username

Password: your db password

**7.2 Manually start, stop and restart**

PuTTY terminals,

sudo service mongod start

sudo service mongod stop

sudo service mongod restart

**7.3 Database access**

PuTTY terminals,

mongo ands -u "your db username" -p "your db password"

**7.4 View tables: (eg: study table)**

After database access granted above,

db.study.find()

**8. Maintain instructions**

**8.1 Web application update (for software developer only)**

1. Load up the project sgd

2. Add/update/remove the code

3. Export the project as a .war file

4. Upload the .war file onto server: /home/ec2-user/jboss-eap/standalone/deployments

5. The Jboss EAP server will deploy the project automatically, otherwise stop and start the Jboss server manually (see 1.6.2)

**8.2 Database backup**

PuTTY terminals,

mongodump -d ands -u " your db username" -p " your db password"

Backup folder: /home/ec2-user/dump/ands

More information: https://docs.mongodb.com/manual/reference/program/mongodump/

**8.3 Database restore**

PuTTY terminals,

mongorestore -d ands -u " your db username" -p " your db password" dump/ands

More information: https://docs.mongodb.com/manual/reference/program/mongorestore/