Required for Eclass Web App installation

1. Installation of Apache Tomcat minimum version 8.5
2. Installation of Postgresql minimum version 12
   * Create user: eclass\_user

Password: eclass\_pass

* Create Database:

createdb --owner=eclass\_user EclassDB

* Import Database

psql -h 127.0.0.1 -d EclassDB -U eclass\_user -f path/to/db.sql

3) Connect Tomcat with Postgresql

a) Insert the following code into Tomcat directory , in the file **server.xml**

<Realm className="org.apache.catalina.realm.LockOutRealm">

<Realm className="org.apache.catalina.realm.JDBCRealm"

driverName="org.postgresql.Driver"

connectionURL="jdbc:postgresql://localhost:5432/EclassDB"

connectionName="eclass\_user"

connectionPassword="eclass\_pass"

roleNameCol="role"

userCredCol="password"

userNameCol="username"

userRoleTable="users"

userTable="users"

debug="99">

<CredentialHandler className="org.apache.catalina.realm.MessageDigestCredentialHandler"

algorithm="SHA-256"

iterations="4"

saltLength="8"/>

</Realm>

</Realm>

b) Insert the following code into Tomcat directory , in the file **content.xml**

<Resource name="jdbc/postgres"

driverClassName="org.postgresql.Driver"

type="javax.sql.DataSource"

url="jdbc:postgresql://127.0.0.1:5432/EclassDB"

auth="Container"

username="eclass\_user"

password="eclass\_pass"

maxActive="8" />

Application Preexisting users

Professor Account: prof1

Password: pass

Student Account: p1000

Password: pass