**Version Control Documentation**

**Developer**

The developer creates a zipped file and sends it to the Version Control. It uses the function GetV to select the newest version and updates the DevTable in the version control. It updates the Dev table by the function doUpdate. The database is called deploy in which the statements Inserts the values.

**QA**

Version Control then forwards the package by checking the DevTable and updating a newtable which is called StatusTable and it lets us know that it is sending the last received package to QA by sendfile function. It else executes sh script getSend.sh to know the user credentials of the QA as well as the ip Address.The QA uses the getFile function to test as well as marks the package if it is good or bad. It checks the DevTable. Once the QA receives the package it updates the StatusTable to let the Version Control know that the version is good or bad so we can either roll back to a previous good version.

**Production**

Once the version control receives that the StatusTable is updated and marked good. We can repeat the same process to sending to QA to sending the most updated package to Production. Production is the one who can change the status. We also can rollback to the previous version from prod marking the last received good marked version as bad and picking the previous version before the current one and switching the files to the past good one.