

King Fahd University of Petroleum and Minerals

Computer Engineering Department

COE-400

Systems Design Laboratory

RFID Software Manual

Smart Warehouse and Robust Employee Access Control System

Smart Track Solutions

Prepared for

Dr. Wasim Raad

by

Muhammad Salman Younas

Jawad Sheikh

Semester 061

Running SkyetekApplication

- 1) Install Skyetek drivers from Skyetek installation CD
- 2) Connect Skyetek reader to PC on COM port
- 3) Copy win32com.dll to your <JDK>\bin directory
- 4) Copy comm.jar to your <JDK>\lib directory
- 5) Copy javax.comm.properties to your <JDK>\lib directory
- 6) Open JCreator and goto Configure>Options>JDK Profiles
- 7) Choose the JDK profile and click on 'Edit..' button
- 8) Click on 'Add..' button and choose 'Add Archive..'
- 9) Add comm.jar which can be found on the CD-ROM in 'Addons\commapi'
- 10) Click on 'Add..' button and choose 'Add Path..'
- 11) Select the 'Code\SkyetekApplication' folder that contains the 'comm' directory
- 12) Open 'Code\SkyetekApplication\comm\skyetek\demo\SkyetekApplication.java'
- 13) Compile and run

Running IntensecompApp

- 1) Install Intensecomp drivers from 'Installations\Intensecomp'
- 2) Connect reader to any USB port and let Windows detect the device
- 3) Open 'Intensecomp.sln' which may be found in 'Code\IntensecompApp'
- 4) Choose 'Debug' from menu bar and then 'Star Debugging'

Running SkyetekBridgeApp

- 1) Install Skyetek drivers from Skyetek installation CD
- 2) Connect Skyetek reader to PC on COM port
- 3) Copy win32com.dll to your <JDK>\bin directory
- 4) Copy comm.jar to your <JDK>\lib directory
- 5) Copy javax.comm.properties to your <JDK>\lib directory
- 6) Open JCreator and goto Configure>Options>JDK Profiles
- 7) Choose the JDK profile and click on 'Edit..' button
- 8) Click on 'Add..' button and choose 'Add Archive..'
- 9) Add comm.jar which can be found on the CD-ROM in 'Addons\commapi'
- 10) Click on 'Add..' button and choose 'Add Archive..'
- 11) Add XYMessenger.jar which can be found on the CD-ROM in 'Addons\xy'
- 12) Click on 'Add..' button and choose 'Add Path..'
- 13) Select the 'Code\SkyetekBridgeApp' folder that contains the 'comm' directory
- 14) Open SkyetekApp.java in 'Code\SkyetekBridgeApp\comm\skyetek\demo'
- 15) Compile and run
- 16) Note down IP address of PC1 where this program is run (IP1)
- 17) Open SkyetekApp.java in 'Code\SkyetekBridgeApp\comm\skyetek\demo'
- 18) Compile and run
- 19) Note down IP address of PC2 where this program is run (IP2)
- 20) Open SkyetekReader.csproj in 'Code\SkyetekBridgeCS' on main application PC
- 21) Update line53 with the first IP address noted (IP1)
- 22) Update line55 with the second IP address noted (IP2)
- 23) Choose 'Debug' from menu bar and then 'Star Debugging'

Running MainApplication

- 1) Install Skyetek drivers from Skyetek installation CD
- 2) Connect Skyetek reader to PC on COM port
- 3) Copy win32com.dll to your <JDK>\bin directory
- 4) Copy comm.jar to your <JDK>\lib directory
- 5) Copy javax.comm.properties to your <JDK>\lib directory
- 6) Open JCreator and goto Configure>Options>JDK Profiles
- 7) Choose the JDK profile and click on 'Edit..' button
- 8) Click on 'Add..' button and choose 'Add Archive..'
- 9) Add comm.jar which can be found on the CD-ROM in 'Addons\commapi'
- 10) Click on 'Add..' button and choose 'Add Archive..'
- 11) Add XYMessenger.jar which can be found on the CD-ROM in 'Addons\xy'
- 12) Click on 'Add..' button and choose 'Add Path..'
- 13) Select the 'Code\SkyetekBridgeApp' folder that contains the 'comm' directory
- 14) Open SkyetekApp.java in 'Code\SkyetekBridgeApp\comm\skyetek\demo'
- 15) Compile and run
- 16) Note down IP address of PC1 where this program is run (IP1)
- 17) Open SkyetekApp.java in 'Code\SkyetekBridgeApp\comm\skyetek\demo'
- 18) Compile and run
- 19) Note down IP address of PC2 where this program is run (IP2)
- 20) Open SkyeTekApp.sln in 'Code\SkyetekApp' on main application PC
- 21) Update line59 with the first IP address noted (IP1)
- 22) Update line61 with the second IP address noted (IP2)
- 23) Choose 'Debug' from menu bar and then 'Star Debugging'
- 24) Text file that stores tags read is in
- 25) Open MainApplication.sln from 'Code\MainApplication'
- 26) Choose 'Debug' from menu bar and then 'Star Debugging'