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## Appendixes

### Appendix 01

#### Manager Agent:

```
package lk.ac.mrt.msc.ai.masbe.agent;

import jade.Boot;
import jade.core.Agent;
import jade.core.AID;
import jade.core.Profile;
import jade.core.ProfileImpl;
import jade.core.behaviours.*;
import jade.wrapper.ContainerController;
import lk.ac.mrt.msc.ai.masbe.Genetic.MerchantSelectionModule;
import lk.ac.mrt.msc.ai.masbe.Genetic.MerchantSelectionModule.Record;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.util.ArrayList;

import org.jenetics.util.ISeq;

/**
 * @author udayanga This class is for Manager Agent
 *
 */
public class ManagerAgent extends Agent {

    String param1;

    protected void setup() {

        Object[] args = getArguments();
        if (args != null && args.length > 0) {

            // Add a TickerBehaviour that schedules a request to service provider agents
            // every 18 seconds
            addBehaviour(new TickerBehaviour(this, 18000) {
                protected void onTick() {
                    // all agent types initiate here
                    initiateAgents();
                }
            });
        } else {
    
```