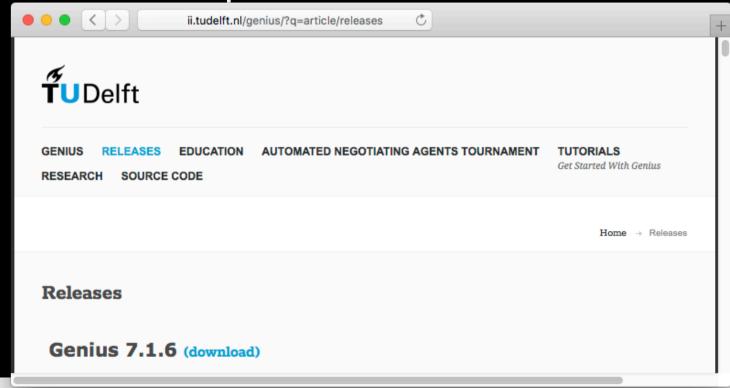
Using Genius

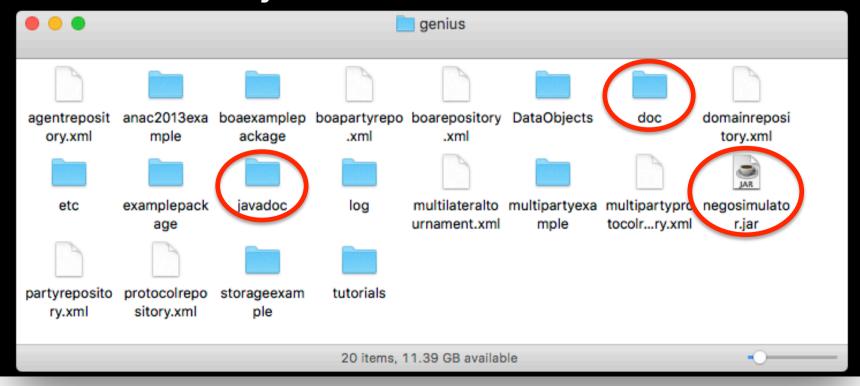
Download Genius

- Go to website: http://ii.tudelft.nl/genius/
- Click Releases
- Download & unzip latest version



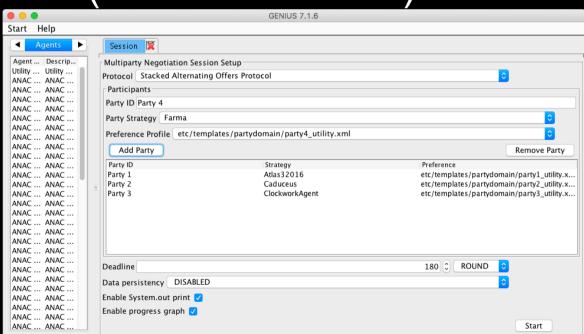
Start Genius

- Just double click the JAR
- Use the documentation in doc/
- Javadocs in javadoc/

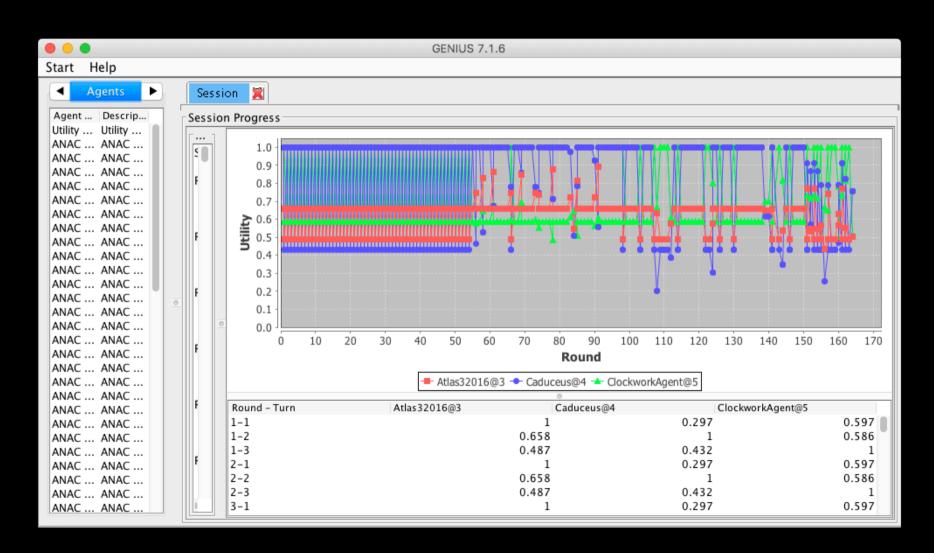


Run a Single Negotiation

- Start Multi-Party Negotiation
- Add Parties
- Set Deadline Type (Round/Time)
- Set Max duration (rounds/seconds)
- Start



Single Run output



Log Files

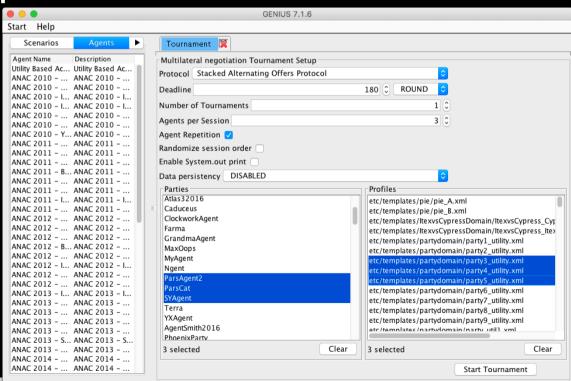
Text file in Log-Session_20170906-131853 XML and csv in log directory

Csv contains – round, turn, time, offer etc XML contains final outcome details

- 1,1,0.00552,ParsAgent@18,(Offer bid:Bid[Food: Handmade Food, Drinks: Handmade Cocktails, Location: Party Room, Invitations: Custom, Printed, Music: MP3, Cleanup: Water and Soap,])
- 1,2,0.00552,AresParty@19,(Offer bid:Bid[Food: Chips and Nuts, Drinks: Non-Alcoholic, Location: Party Tent, Invitations: Plain, Music: Band, Cleanup: Hired Help,])

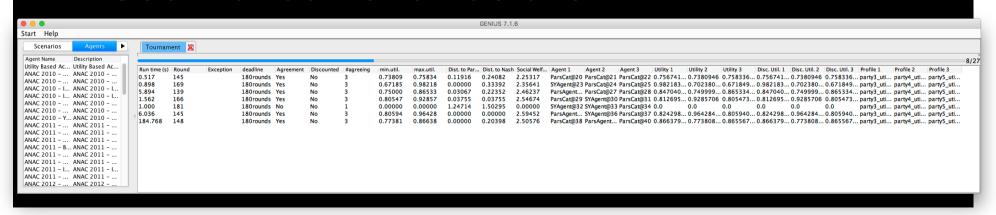
Run tournament

- Start Multi-Party Tournament
- Select parties and profiles
- Change other params as needed



Multiparty tournament Output

- File: tournament-20170906-132337-party_domain.log.XML, and also csv
- Round shows total #rounds used
- Utility1..3 show utilities of accepted bid
- Dis.Util. shows discounted utils
- See manual for all details

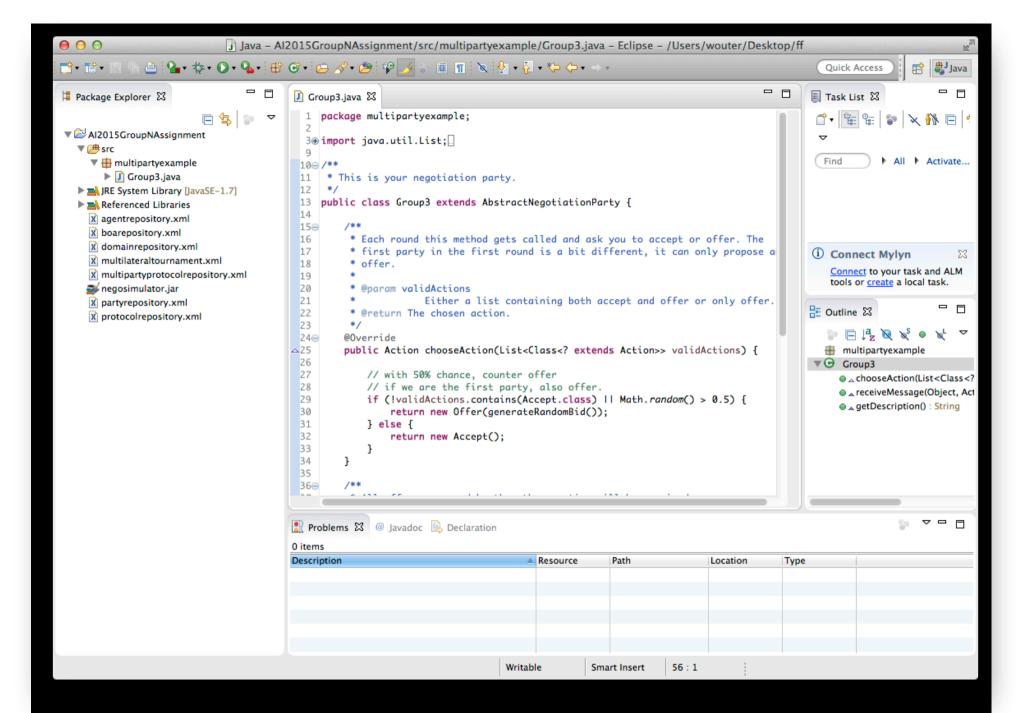


Create agent with Eclipse

Eclipse is useful to debug your agent.

- Download and install Eclipse (Java Dev)
- Make Eclipse java project
- Copy Genius into your workspace
- Add negosimulator.jar to classpath
- Copy example agent into src/
- Edit your agent name (and the rest)

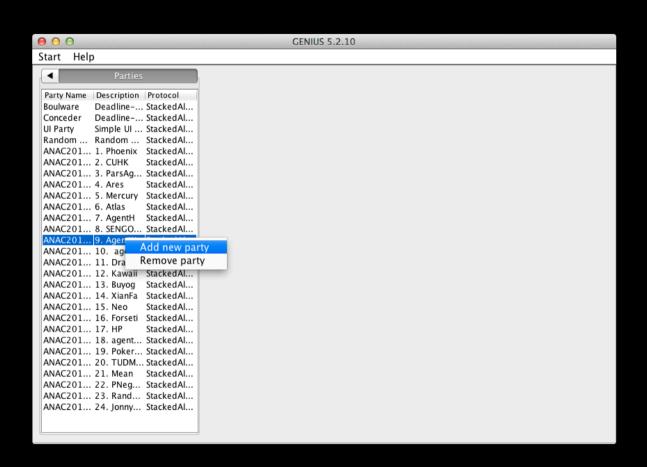
All details are in assignment document



Edit your agent

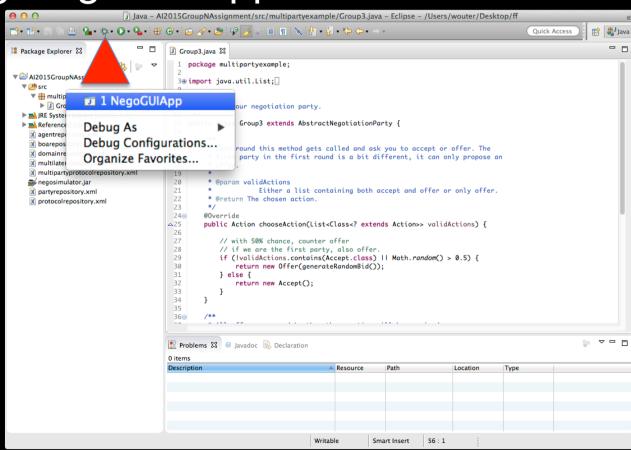
- Use the javadoc for more information about the classes
- Minimal implementation requires chooseAction.
- receiveMessage should help improving your bids
- getDescription is recommended.

Insert your agent in Genius



Debug your agent

- Place your breakpoint
- Debug NegoGUIApp



Create profile

Profiles are utility space descriptions and are stored in genius/etc/templates and domainrepository.xml

 Select domain and then "New Preference Profile"

Set the discount, rv and utilities for all

issues

Set utilities for all

Save

