

back-end

1) program reads txt file

2) program imports txt data into objects:

<u>Person</u>	<u>Company</u>
- id	- Name
- firstName	- Number
- lastName	+ getName()
- companyNumber	+ getNumber()
- table	
+ getId()	
+ getFirstName()	
+ getLastName()	
+ getCompanyNumber()	
+ getTable()	
+ setTable(int t)	

[90 people, 16 companies
unregister 21st & more people

3) program creates ArrayLists to represent each table.

4) program goes in order, loading people into tables (party class)

1, a, a, 1 ← Table 1

2, b, b, 1 ← Table 2

3, c, c, 1 ← Table 3

4, d, d, 2 ← Table 1

+ Person (int initId,
String initFirstName,
String initLastName,
int initCompanyNumber)

+ Company (String number,
int name)

- int id
- String firstName
- String lastName
- int companyNumber
- int tableNumber
+ int getId()
+ String getFirstName()
+ String getLastName()
+ int getCompanyNumber()
+ int getTableNumber()
+ void setTableNumber(int value)

loop

front-end

5) intro.

PARTY PLANNER

Welcome!

Please select an option from the menu.

1. Register a guest

2. Print roster by table #

3. Print roster by company #

4. Look up guest

1. Register a guest

b-e) check > 100 ppl?

1st n? [1st n]

last n? [last n]

company #? (printed list of companies & com. #s) do-while, try-catch

back-end) create new person object

b-e) seat person @ a valid table

✓ ⇒ registered.

X ⇒ invalid.

return to main menu

2. Print roster by table

table? [int] do-while, try-catch

f-e) [print roster]

back to menu.

3. Print roster by company

comp.? [int] do-while, try-catch

f-e) [print roster]

back to menu.

4. Look up guest

1st n? [1st n]

last n? [last n]

found ⇒ print person details ⇒ remove? ✓/X

X ⇒ not found

back to menu.

↗ remove & reseal