BY Junaid khan (01-241171-012)

ODD for Cafeteria

1. Purpose

The purpose of this model is to design the student cafeteria for Bahria university students where both the male and females come in cafeteria; where there are some rules for students

1. That they come in cafeteria.
2. Sit on the chairs.
3. Both the male and female should not be on same sides sitting.
4. Order eating items
5. Leave after random time.

In this model the student behavior is checked if they follow the rules or not so we can understand the behavior of students etc.

2. State variables and scales

The different agent-sets have been used in this model as below

S.no	State variables and scale	Description
1	turtles	Different Turtles : male students female students ,waiters etc.
2	patches	Used to create tables , chairs and counter service etc.
3	monitors	Used to show total number of different gender of students and seating etc
4	sliders	Use for initial number of turtles etc. to create.

3. Process overview and scheduling

As the setup button is clicked the model run. Cafeteria for students is created with number of tables and seats and two counter services. Both male and female students come and in cafeteria. Students are directed to follow some rules, they move to tables and sit on different tables. No same gender sits on the same side of tables. They order food items, eat and after random amount of time they leave.