The Restaurant - Description of the internal state

 Chef Waiter Stu0 Stu1 Stu2 Stu3 Stu4 Stu5 Stu6 NCourse NPortion   Table
State State State State State State State State State   Seat0 Seat1 Seat2 Seat3 Seat4 Seat5 Seat6
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Legend:
Chef State   - state of the chef: WAFOR PRPCS DSHPT DLVPT CLSSV
Waiter State - state of the waiter: APPST PRSMN TKODR PCODR WTFPT PRCBL RECPM
Stu# State   - state of the student #: GGTRT TKSTT SELCS OGODR CHTWC EJYML PYTBL GGHOM
NCourse   - number of the course: 0 upto M
NPortion   - number of the portion of a course: 0 upto N
Table Seat# - id of the student sat at that chair