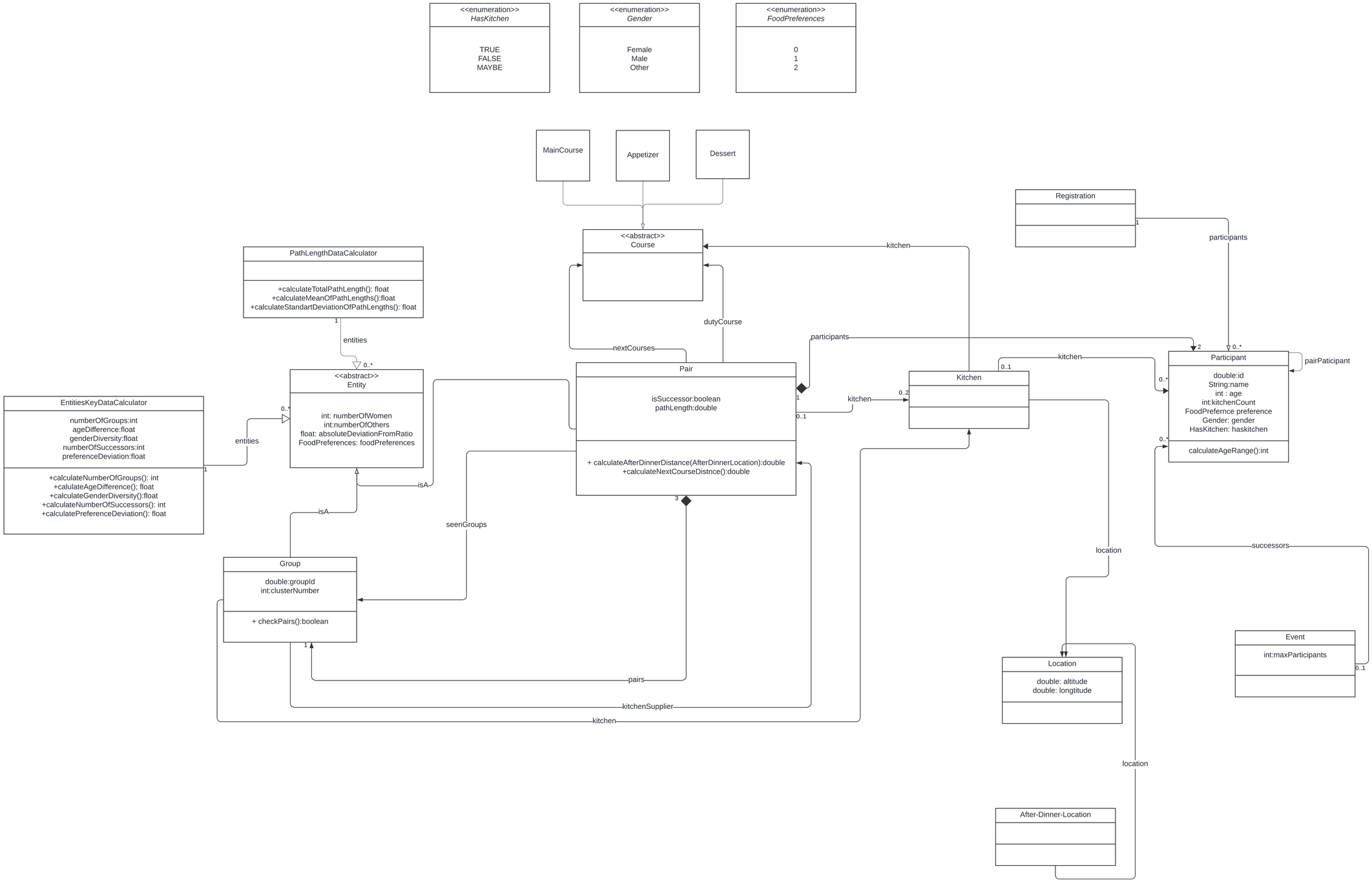
<<enumeration>>
HasKitchen
TRUE
FALSE
MAYBE
<<enumeration>>
Gender
Female
Male
Other
<<enumeration>>
FoodPreferences
0
1
2
MainCourse
Appetizer
Dessert
Registration
<<abstract>>
Course
kitchen
participants
PathLengthDataCalculator
+calculateTotalPathLength(): float
+calculateMeanOfPathLengths():float
+calculateStandartDeviationOfPathLengths(): float
entities
dutyCourse
nextCourses
participants
Participant
pairPaticipant
double:id
String:name
int : age
int:kitchenCount
FoodPrefernce preference
Gender: gender
HasKitchen: haskitchen
calculateAgeRange():int
<<abstract>>
Entity
int: numberOfWomen
int:numberOfOthers
float: absoluteDeviationFromRatio
FoodPreferences: foodPreferences
Pair
isSuccessor:boolean
pathLength:double
+ calculateAfterDinnerDistance(AfterDinnerLocation):double
+calculateNextCourseDistnce():double
Kitchen
kitchen
EntitiesKeyDataCalculator
numberOfGroups:int
ageDifference:float
genderDiversity:float
numberOfSuccessors:int
preferenceDeviation:float
+calculateNumberOfGroups(): int
+calulateAgeDifference(); float
+calculateGenderDiversity():float
+calculateNumberOfSuccessors(): int
+calculatePreferenceDeviation(): float
entities
isA
isA
seenGroups
Group
double:groupId
int:clusterNumber
+ checkPairs():boolean
location
successors
Event
int:maxParticipants
Location
double: altitude
double: longtitude
pairs
kitchenSupplier
kitchen
location
After-Dinner-Location