Senzo Masango

BA FA2

4471



* 1. ER Diagram

**Member**

* MemberID
* Email
* Age
* Contactinfo

**Book**

* BookID
* BookTitle

**Yoga Exercise**

* Exercisename
* ExerciseDiscription
* ExerciseLength

**Attendance**

**Exercise use**

* ExceriseDuration
* TimeUsed

**Class**

* StudioID
* Class weekday
* Classtime

1.2)Normalisation 0NF

Step 1

ClassTime

BookTitle

BookID

StudioID

Weekday

MemberID

Weekday

StudioNumber

MemberAge

TimeUsage

ExerciseName

ExerciseDuration

ExerciseLength

Email

ExerciseDescription

Step 2 0NF

ClassTime

BookTitle

BookID

#StudioID

Weekday

MemberID

Weekday

StudioNumber

MemberAge

TimeUsage

ExerciseName

ExerciseDuration

ExerciseLength

Email

ExerciseDescription

1.3)Normalisation 1NF

#StudioID PK- BookID

Classtime StudioID(FK)

Studionumber TimeUsage

Weekday MemberID

MemberAge

MemberInfo

ExerciseName

ExerciseDuration

ExerciseLength

BookTitle

1.4)Normalisation 2NF

H

#StudioID PK- BookID(FK)

Classtime StudioID(FK)

Studionumber TimeUsage

Weekday MemberID

MemberAge

MemberInfo

ExerciseName

ExerciseDuration

ExerciseLength

BookTitle

1.5)Normalisation 3NF

#StudioID PK[BookID(FK)

Classtime PK[StudioID(FK)

Studionumber PK[MemberID(FK)

Weekday ExerciseLength

#BookID ExerciseDuration

Booktitle ExerciseName

#MemberID ExerciseLength

MemberAge TimeUsage

MemberInfo

1.6)ER Diagram from NF

**Class**

* #StudioID
* Class weekday
* Classtime

**Member**

* #MemberID
* Email
* Age
* Contactinfo

**Attendance**

#MemberID(FK)

BookID

**Book**

* #BookID
* BookTitle

**Yoga Exercise**

* #Exercisename
* ExerciseDiscription
* ExerciseLength
* BookID(FK)

**Exercise use**

* ExceriseDuration
* TimeUsed