**Trainer Organiser – Decision Tables & Decision Tree for Feature 1 (as detailed in the requirements specification).**

**Corrina Wynne, x12342071**

**Tight English Sentence :**

When the trainer receives an email from a potential client in regards to joining a class or requesting a class itinerary, the trainer will first check if the sender is a member of the gym. If the sender is not a member of the gym then the trainer will refer them to the membership department of the gym. If the sender is already a member of the gym then the trainer will respond letting them know if they can join or not. If the sender is a member and is already in the class specified then the trainer will send them the itinerary they requested.

**Structured English Sentence :**

IF sender is a gym member & requests to join class

THEN respond yes/no

IF sender is member of class & requests itinerary

THEN send itinerary

IF sender is not gym member

THEN refer to membership department

ENDIF

**Decision Table :**

|  |  |  |  |
| --- | --- | --- | --- |
| Gym Member | Y | Y | N |
| Gym Member & In Class | Y | N | N |
| **Respond to Class Request** |  | X |  |
| **Refer to Membership Department** |  |  | X |
| **Send Itinerary** | X |  |  |

**Decision Tree :**

Send itin

In Class Requests Itinerary

Member

Not In Class Requests to Join Respond Y/N

Non-Member Refer to Membership Dept.

**Trainer Organiser – Decision tables for Feature 2(as outlined in the requirements specification).**

**Suzanne Fagan, x12395906**

Tight English Sentence:

If a potential member meets the following requirements they will be approved to become a gym member; over 13, ability to pay membership fee. If the member is a student they will receive a discount of 10% on their monthly fee. If the member has been with the gym for over 3 years they will also receive a discount of 10%.

Structured English Sentence:

IF member is over 13& provides proof of income

THEN approve member

IF under 13

THEN refuse member

IF unable to pay

THEN refuse member

IF member is student

THEN apply discount

IF member has been there for over 3 years

THEN apply discount

ENDIF

Decision Table:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Over 13 | Y | Y | Y | Y | N | Y | N | N | Y | N | N | Y | N | N | N | N |
| Ability To Pay | Y | Y | Y | N | Y | Y | Y | N | N | Y | Y | N | Y | N | N | N |
| Student | Y | Y | N | Y | Y | N | Y | Y | Y | N | Y | N | N | Y | N | N |
| Member 3 years + | Y | N | Y | Y | Y | N | N | Y | N | Y | N | N | N | N | Y | N |
| **Approve Member** | X | X | X |  |  | X |  |  |  |  |  |  |  |  |  |  |
| **Refuse Member** |  |  |  | X | X |  | X | X | X | X | X | X | X | X | X | X |
| **Apply Discount** | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |

Decision Tree:

Member over

3 years

Student Not member Approve with

Over 3 years Discount

Able to Pay Member over

3 years

Over 13 Not Student

Not member Approve

Not Able to Pay over 3 years Membership

Not Over 13 Refuse