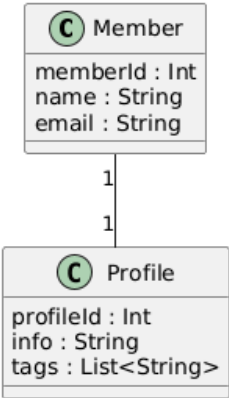
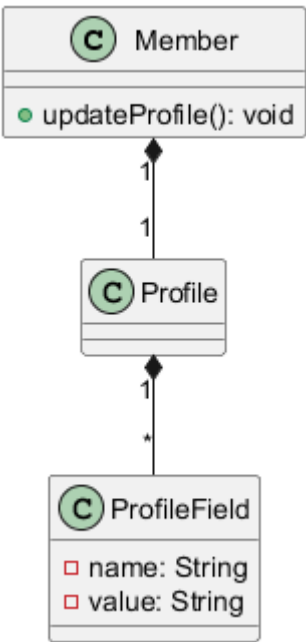


## DIAGRAMAS DE REFERENCIA Y DIAGRAMAS GENERADOS

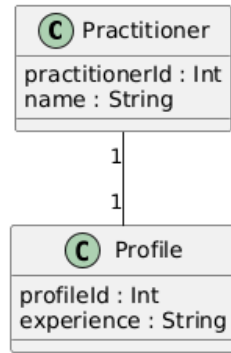
| ID      | Diagramas de Referencia (Humano)  |  | Diagramas Generados (Herramienta)  |   |
|---------|---|--|--|---|
|         | Código en PlantUML  | Diagrama en PlantUML   | Código en PlantUML   | Diagrama en PlantUML  |
| HU-CL01 | <pre> @startuml class Member {   memberId : Int   name : String   email : String }  class Profile {   profileId : Int   info : String   tags : List&lt;String&gt; }  Member "1" -- "1" Profile @enduml </pre> |  <pre> classDiagram     class Member {         memberId : Int         name : String         email : String     }     class Profile {         profileId : Int         info : String         tags : List&lt;String&gt;     }     Member "1" -- "1" Profile </pre> | <pre> @startuml class Member {   + updateProfile(): void }  class Profile { }  class ProfileField {   - name: String   - value: String }  Member "1" *-- "1" Profile Profile "1" *-- "*" ProfileField @enduml </pre> |  <pre> classDiagram     class Member {         +updateProfile(): void     }     class Profile {     }     class ProfileField {         -name: String         -value: String     }     Member "1" *-- "1" Profile     Profile "1" *-- "*" ProfileField </pre> |

HU-CL02

```
@startuml
class Practitioner {
  practitionerId : Int
  name : String
}

class Profile {
  profileId : Int
  experience : String
}

Practitioner "1" -- "1" Profile
@enduml
```



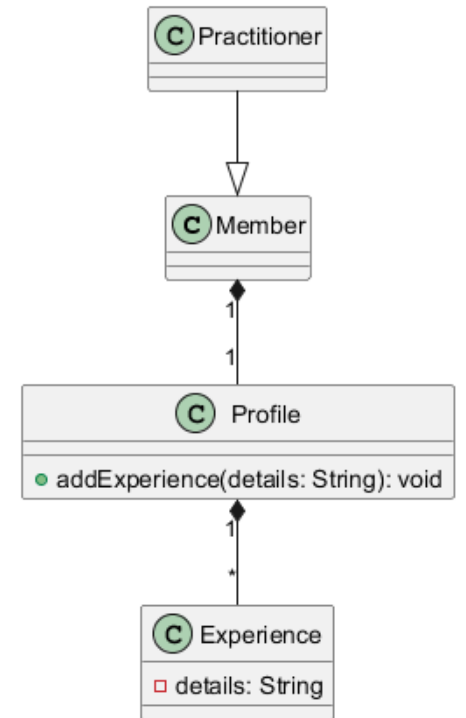
```
@startuml
class Member {
}

class Practitioner {
}

class Profile {
  + addExperience(details: String): void
}

class Experience {
  - details: String
}

Practitioner --|> Member
Member "1" *-- "1" Profile
Profile "1" *-- "*" Experience
@enduml
```

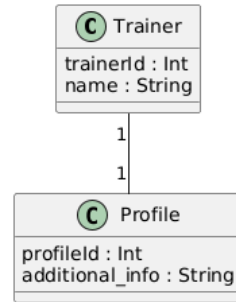


HU-CL03

```
@startuml
class Trainer{
  trainerId : Int
  name : String
}

class Profile {
  profileId : Int
  additional_info : String
}

Practitioner "1" -- "1" Profile
@enduml
```



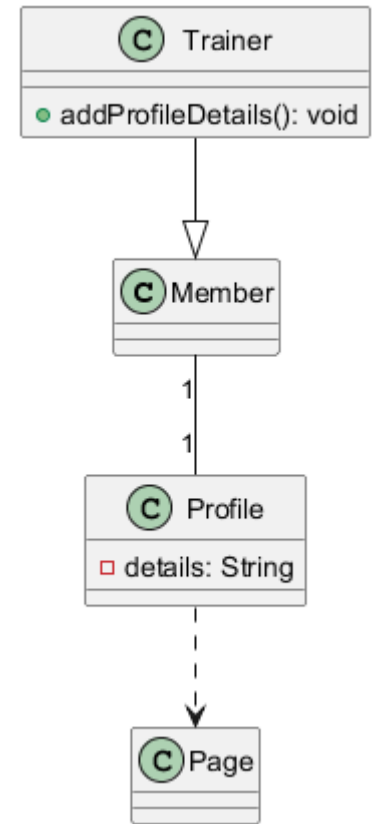
```
@startuml
class Member {
}

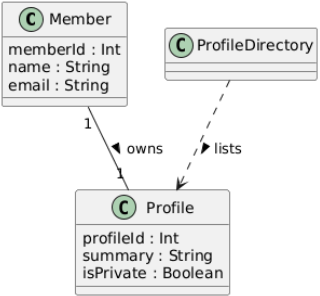
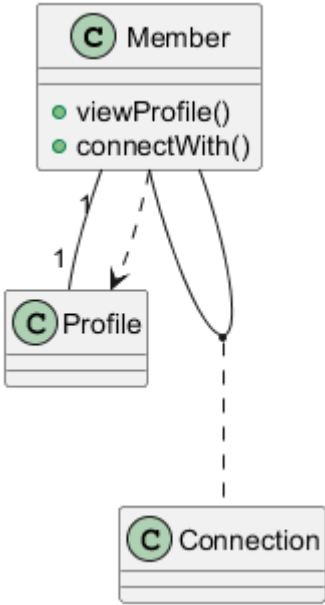
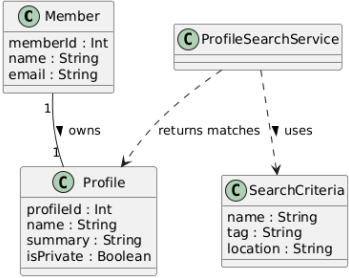
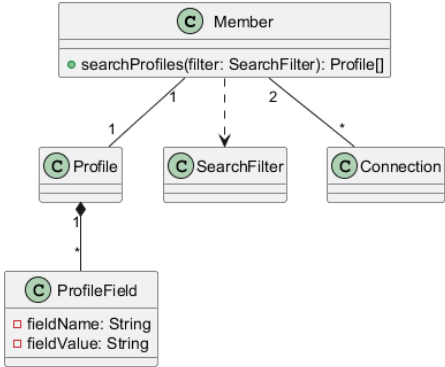
class Trainer {
  + addProfileDetails(): void
}

class Profile {
  - details: String
}

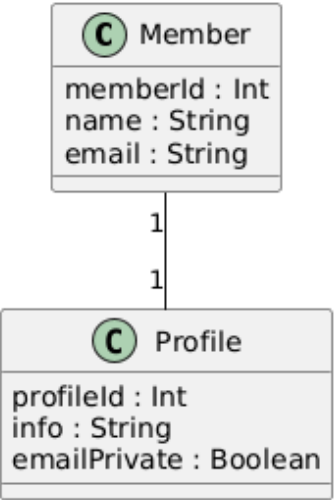
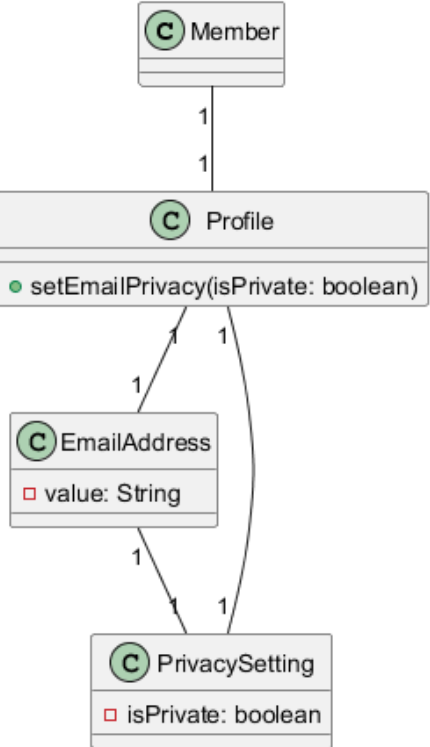
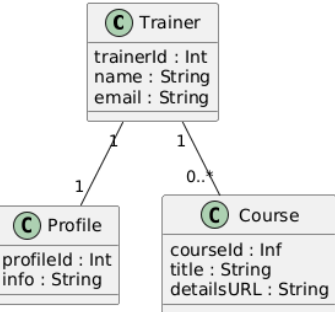
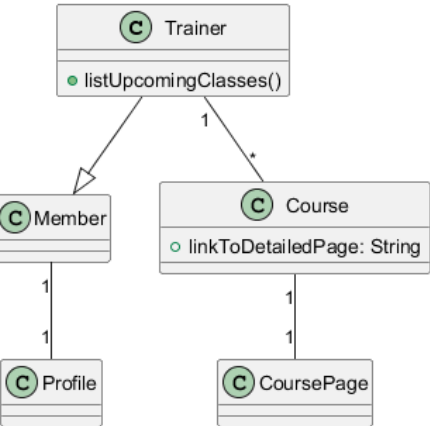
class Page {
}

Trainer --|> Member
Member "1" -- "1" Profile
Profile ..> Page
@enduml
```



|                |  |   |   |   |
|----------------|--|---|---|---|
| <p>HU-CL04</p> | <pre> @startuml class Member {   memberId : Int   name : String   email : String }  class Profile {   profileId : Int   summary : String   isPrivate : Boolean }  class ProfileDirectory  Member "1" -- "1" Profile : owns &gt; ProfileDirectory ..&gt; Profile : lists @enduml </pre>   |  <pre> classDiagram     class Member {         +memberId: Int         +name: String         +email: String     }     class Profile {         +profileId: Int         +summary: String         +isPrivate: Boolean     }     class ProfileDirectory     Member "1" -- "1" Profile : owns     ProfileDirectory ..&gt; Profile : lists </pre>  | <pre> @startuml class Member {   + viewProfile()   + connectWith() }  class Profile { }  class Connection { }  Member "1" -- "1" Profile Member ..&gt; Profile : viewProfile() Member ..&gt; Profile : connectWith() Member ..&gt; Connection : connectWith() @enduml </pre>  |                         |
| <p>HU-CL05</p> | <pre> @startuml class Member {   memberId : Int   name : String   email : String }  class Profile {   profileId : Int   name : String   summary : String   isPrivate : Boolean }  class SearchCriteria {   name : String   tag : String   location : String }  class ProfileSearchService  Member "1" -- "1" Profile : owns &gt; ProfileSearchService ..&gt; Profile : returns matches &gt; ProfileSearchService ..&gt; SearchCriteria : uses @enduml </pre> |  <pre> classDiagram     class Member {         +memberId: Int         +name: String         +email: String     }     class Profile {         +profileId: Int         +name: String         +summary: String         +isPrivate: Boolean     }     class SearchCriteria {         +name: String         +tag: String         +location: String     }     class ProfileSearchService     Member "1" -- "1" Profile : owns     ProfileSearchService ..&gt; Profile : returns matches     ProfileSearchService ..&gt; SearchCriteria : uses </pre> | <pre> @startuml class Member {   + searchProfiles(filter: SearchFilter): Profile[] }  class Profile { }  class ProfileField {   - fieldName: String   - fieldValue: String }  class SearchFilter { }  class Connection { }  Member "1" -- "1" Profile Member ..&gt; Profile : searchProfiles() Member ..&gt; SearchFilter : searchProfiles() Member ..&gt; Connection : searchProfiles() Profile "1" -- "*" ProfileField @enduml </pre> |  |

|         |  |  |  |   |
|---------|--|--|--|---|
|         | <p>Member "1" -- "1" Profile : owns<br/>&gt;<br/>ProfileSearchService ..&gt;<br/>SearchCriteria : uses &gt;<br/>ProfileSearchService ..&gt; Profile<br/>: returns matches<br/>@enduml</p>            |  | <p>Member ..&gt; SearchFilter<br/>Member "2" -- "*" Connection<br/>@enduml</p>   |   |
| HU-CL06 | <pre>@startuml class Member {   memberId : Int   name : String   email : String }  class Profile {   profileId : Int   info: String   isPrivate : Boolean }  Member "1" -- "1" Profile @enduml</pre> | <pre>classDiagram     class Member {         memberId : Int         name : String         email : String     }     class Profile {         profileId : Int         info : String         isPrivate : Boolean     }     Member "1" -- "1" Profile</pre> | <pre>@startuml class Member { }  class Profile {   + markAsPrivate(): void }  class PrivacySetting {   - visibility: String }  Member "1" -- "1" Profile Profile "1" -- "1" PrivacySetting @enduml</pre> | <pre>classDiagram     class Member {     }     class Profile {         markAsPrivate(): void     }     class PrivacySetting {         visibility : String     }     Member "1" -- "1" Profile     Profile "1" -- "1" PrivacySetting</pre> |

|                |   |  |   |   |
|----------------|---|--|---|---|
| <p>HU-CL07</p> | <pre> @startuml class Member {   memberId : Int   name : String   email : String }  class Profile {   profileId : Int   info : String   emailPrivate : Boolean }  Member "1" -- "1" Profile @enduml </pre>  |  <pre> classDiagram     class Member {         memberId : Int         name : String         email : String     }     class Profile {         profileId : Int         info : String         emailPrivate : Boolean     }     Member "1" -- "1" Profile </pre>  | <pre> @startuml class Member { }  class Profile { }  class EmailAddress {   - value: String }  class PrivacySetting {   - isPrivate: boolean }  Member "1" -- "1" Profile Profile "1" -- "1" EmailAddress Profile "1" -- "1" PrivacySetting EmailAddress "1" -- "1" PrivacySetting @enduml </pre> |  <pre> classDiagram     class Member {     }     class Profile {     }     class EmailAddress {         - value: String     }     class PrivacySetting {         - isPrivate: boolean     }     Member "1" -- "1" Profile     Profile "1" -- "1" EmailAddress     Profile "1" -- "1" PrivacySetting     EmailAddress "1" -- "1" PrivacySetting     Profile &lt;..&gt; Profile : setEmailPrivacy(isPrivate: boolean) </pre> |
| <p>HU-CL08</p> | <pre> @startuml class Trainer {   trainerId : Int   name : String   email : String }  class Profile {   profileId : Int   info : String }  class Course {   courseId : Int   title : String   detailsURL : String }  Trainer "1" -- "1" Profile Trainer "1" -- "0..*" Course @enduml </pre> |  <pre> classDiagram     class Trainer {         trainerId : Int         name : String         email : String     }     class Profile {         profileId : Int         info : String     }     class Course {         courseId : Int         title : String         detailsURL : String     }     Trainer "1" -- "1" Profile     Trainer "1" -- "0..*" Course </pre> | <pre> @startuml class Trainer {   + listUpcomingClasses() }  class Member { }  class Profile { }  class Course {   + linkToDetailedPage: String }  class CoursePage { }  Trainer -- &gt; Member Trainer "1" -- "*" Course Course "1" -- "1" CoursePage @enduml </pre>                             |  <pre> classDiagram     class Trainer {         + listUpcomingClasses()     }     class Member {     }     class Profile {     }     class Course {         + linkToDetailedPage: String     }     class CoursePage {     }     Trainer -- &gt; Member     Trainer "1" -- "*" Course     Course "1" -- "1" CoursePage </pre>  |

|         |   |  |   |   |
|---------|---|--|---|---|
|         | Trainer "1" -- "1" Profile<br>Trainer "1" -- "0..*" Course<br>@enduml   |  | @enduml   |   |
| HU-CL09 | <pre>@startuml class CertificationCourse {   courseId : Int   title : String   startDate : Date   isOpen : Boolean }  class CourseCatalog  CourseCatalog ..&gt; CertificationCourse : lists @enduml</pre> | <pre>classDiagram     CourseCatalog --&gt; CertificationCourse : lists     class CertificationCourse {         courseId : Int         title : String         startDate : Date         isOpen : Boolean     }</pre> | <pre>@startuml class Visitor { }  class Course { - description: String - schedule: String }  class CertificationCourse { }  CertificationCourse -- &gt; Course Visitor ..&gt; CertificationCourse @enduml</pre> | <pre>classDiagram     Visitor --&gt; CertificationCourse     CertificationCourse -- &gt; Course     class CertificationCourse {     }     class Course {         description : String         schedule : String     }</pre> |
| HU-CL10 | <pre>@startuml class Event {   eventId : Int   name : String   eventDate : Date   location : String }  class EventCatalog  EventCatalog ..&gt; Event : lists @enduml</pre>                                | <pre>classDiagram     EventCatalog --&gt; Event : lists     class Event {         eventId : Int         name : String         eventDate : Date         location : String     }</pre>                               | <pre>@startuml class Visitor { }  class Event { - name: String - date: DateTime - description: String }  Visitor --&gt; Event : views @enduml</pre>   | <pre>classDiagram     Visitor --&gt; Event : views     class Event {         name : String         date : DateTime         description : String     }</pre>   |