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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Client | **ID:** 1 | **Type:** Abstract, Domain | | **Description:**  This class contains all the information of any client using our services. | **Association Use Cases:** 1,2,3,4,5,6,7,8,9,10,11,12 |  | | **Responsibilities:** -Get age  -Log in  -Log out  -Search among specialists | **Collaborators** |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:** ClientID(int)  First name(string)  Last name(string)  National code(string)  Birthdate (Date)  Phone number(string)  Email (string)  Username(string)  Password(string) | | **Relationships:  Generalization(a-kind-of): Aggregation(has-part-of):**  **Other Associations:** |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** User | **ID:** 2 | **Type:** Concrete, Domain | | **Description:**  This class contains all the information of any user using our services. | **Association Use Cases:** 1,2,3,4,5,6,7 |  | | **Responsibilities:** Register  Search among specialists | **Collaborators** |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:** Membership\_date (Date)  Prediction\_features(dict)  Card number(string)  User\_ID (varchar) | | **Relationships: Generalization(a-kind-of):** Client **Aggregation(has-part-of):**  **Other Associations:** Services\_Log,Specialist |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Manager | **ID:** 3 | **Type:** Concrete, Domain | | **Description:**  This class contains all the information of manager. | **Association Use Cases:** 2,3,4,5,6,7,8,9,10,11,12 |  | | **Responsibilities:**  Search among users  Get activity logs\_specialist  Get activity logs\_user  Manage posts  Can see the history of given services | **Collaborators**  Specialist , Post |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:** | | **Relationships: Generalization(a-kind-of):** Client **Aggregation(has-part-of):**  **Other Associations:** Specialist , Post |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Specialist | **ID:** 4 | **Type:** Concrete, Domain | | **Description:**  This class contains all the information of any Specialist using our services. | **Association Use Cases:** 2,3,4,5,6,7,10,11,12 |  | | **Responsibilities:**  Add content  Edit content | **Collaborators** manager  manager |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:** Membership date (Date)  Given\_Services (list)  Card\_number (varchar)  Specialist\_ID (varchar) | | **Relationships: Generalization(a-kind-of):** Client **Aggregation(has-part-of):**  **Other Associations:** Log\_Services, User, Post, manager |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Services\_Log | **ID:** 5 | **Type:** Concrete, Domain | | **Description:**  This class contains information about a user giving different services. | **Association Use Cases:** 4, 5, 6 |  | | **Responsibilities:**  Get features from DB  Do\_prediction\_service  Do\_other\_service  Create\_service  Update\_user\_data | **Collaborators**  User  User, Specialist  User |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:**  Service\_id (varchar) Type (String) User\_Id (varchar)  Specialist\_id (varchar)  Service\_Date (Date) | | **Relationships: Generalization(a-kind-of):  Aggregation(has-part-of):**  **Other Associations:** User, Specialist, Prediction, Nutrition Program, Sports Program, Psychological analysis |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Prediction | **ID:** 6 | **Type:** concrete domain | | **Description:**  Is one of the services to predict a user’s future illness | **Association Use Cases:** 5 |  | | **Responsibilities** predict a user’s future illness | **Collaborators** user, Log\_Services |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:**  Predict\_ID (varchar)Features\_needed (dict) Predict\_Result (text)  Cost\_fee (INT) | | **Relationships: Generalization(a-kind-of): Aggregation(has-part-of): Other Associations:** user, Log\_Services |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Nutrition Program | **ID:** 7 | **Type:** concrete domain | | **Description:**  Is one of the services to provide nutrition program to user | **Association Use Cases:** 5 |  | | **Responsibilities** provide nutrition program | **Collaborators:**  User, Log\_Services, Specialist |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:**  Nutrition\_ID (varchar)Features\_needed (dict)  Nutrision\_Result (string)  Cost\_fee (INT) | | **Relationships: Generalization(a-kind-of): Aggregation(has-part-of): Other Associations:** User, Log\_Services, Specialist |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Sports Program | **ID:** 8 | **Type:** concrete domain | | **Description:**  Is one of the services to provide sports program to user | **Association Use Cases:** 5 |  | | **Responsibilities:** provide sports program | **Collaborators :**  User, Log\_Services, Specialist |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:**  Sports\_ID (varchar)  Features\_needed (dict) Sports\_Result (string)  Cost\_fee (INT) | | **Relationships: Generalization(a-kind-of): Aggregation(has-part-of): Other Associations:** User, Log\_Services, Specialist |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Psychological analysis | **ID:** 9 | **Type:** concrete domain | | **Description:**  Is one of the services to provide Psychological analysis of users | **Association Use Cases:** 5 |  | | **Responsibilities** Psychological analysis of users | **Collaborators:**  User, Log\_Services, Specialist |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:**  Psychology\_ID (varchar)features\_needed (dict) Psychology\_Result (string)  Cost\_fee (INT) | | **Relationships: Generalization(a-kind-of): Aggregation(has-part-of): Other Associations:** User, Log\_Services, Specialist |   ​ |

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| **Front:**   |  |  |  | | --- | --- | --- | | **Class Name:** Post | **ID:** 10 | **Type:** concrete  domain | | **Description:**  This class is contain all information about posts in web site | **Association Use Cases:** 10,11,12 |  | | **Responsibilities** | **Collaborators:** |  |   ​​​​  **Back:**   |  | | --- | | **Attributes:**  Post\_ID (varchar)  Title (string)  Content (text) specialist\_ID (varchar) Creation\_Date (Date)  Published (Bool)  Last\_Update\_Date (Date) | | **Relationships: Generalization(a-kind-of): - Aggregation(has-part-of):- Other Associations:** specialist , manager |   ​ |