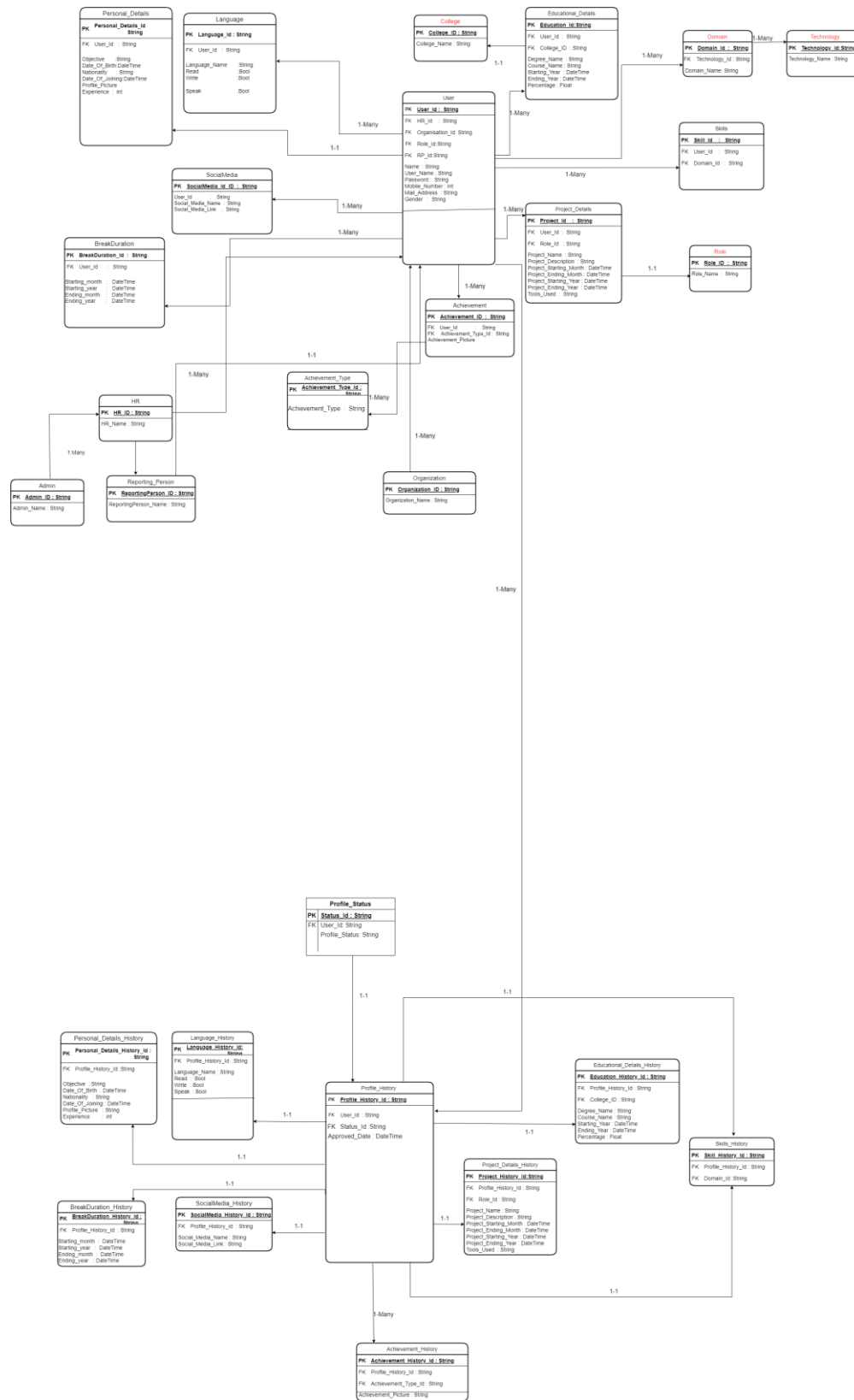


# DATABASE DIAGRAM



## DATABASE DICTIONARY

**TABLE USER**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
User_ID	integer	Primary key	ID for each user
Name	varchar(20)	Not null	Name of the user
Mail_Address	varchar(50)	Not null	Mail address of the user
User_Name	varchar(20)	Not null	Username for the user
Password	varchar(10)	Not null	Password for the user
Gender	enum	Not null	Gender of the user
Mobile_Number	varchar(50)	Not null	Mobile number of the user

**TABLE PERSONAL DETAILS**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Personal_Details_Id	integer	Primary key	ID for each profiler
User_Id	integer	Foreign key	ID for each user
Objective	varchar(100)	Not null	Description about profiler
Date_of_Birth	date	Not null	Date of Birth of the profiler
Nationality	varchar(30)	Not null	Nationality of the profiler
Date_of_Joining	date	Not null	Date of joining of the profiler
Profile_Picture	varbinary	Not null	Profile picture of the profiler
Experience	integer	Not null	Experience of the profiler

**TABLE EDUCATION\_DETAILS**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Education_Id	varchar(10)	Primary key	ID for each education details
User_Id	varchar(10)	Foreign key	ID of the user
College_Id	varchar(10)	Foreign key	ID of the college
Degree_Name	varchar(10)	Not null	Degree of the user
Course_Name	varchar(40)	Not null	Course name of the user
Starting_Year	date	Not null	Starting year of the course
Ending_Year	date	Not null	Ending year of the course
Percentage	float	Not null	Percentage of the user

**TABLE PROJECT\_DETAILS**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
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Project_Id	varchar(10)	Primary key	ID for each project details
User_id	varchar(10)	Foreign key	ID of the user
Role_id	varchar(10)	Foreign key	ID of the role
Project_Name	varchar(20)	Not null	Name of the project
Project_Description	varchar(40)	Not null	Description of the project
Project_Starting_Month	date	Not null	Starting month of the project
Project_Ending_Month	date	Not null	Ending month of the project
Project_Starting_Year	date	Not null	Starting year of the project
Project_Ending_Year	date	Not null	Ending year of the project
Tools_Used	varchar(60)	Not null	Tools of the project

**TABLE SKILLS**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Skill_id	varchar(10)	Primary key	ID for each skill
Domain_id	varchar(10)	Foreign key	ID of the domain

**TABLE BREAK DURATION**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Break_duration_Id	varchar(10)	Primary key	ID for each Break Duration
User_id	varchar(10)	Foreign key	ID of the user
Starting_Month	date	Not null	Starting month of the duration
Starting_Year	date	Not null	Starting year of the duration
Ending_Month	date	Not null	Ending month of the duration
Ending_Year	date	Not null	Ending year of the duration

**TABLE LANGUAGE**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
User_ID	integer	Foreign key	ID for each user
Language_ID	integer	Primary key	ID for each language
Language_Name	varchar(10)	Not null	Name of the language
Read	bool	Default	Able to read the language
Write	bool	Default	Able to write the language
Speak	bool	Default	Able to speak the language

**TABLE SOCIAL MEDIA**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
User_ID	integer	Foreign key	ID for each user

Socialmedia_ID	integer	Primary key	ID for each social media
Socialmedia_Name	varchar(20)	Not null	Name of the social media
Socialmedia_Link	varchar(50)	Not null	Link of the social link

**TABLE ACHIEVEMENTS TYPE**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
User_ID	integer	Foreign key	ID for each user
Achievementtype_ID	integer	Primary key	ID for each achievement type
Achievement_Type	varchar(20)	Not null	Type of the achievement

**TABLE ACHIEVEMENTS**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Achievement_ID	integer	Primary key	ID for each achievement
Achievementtype_ID	integer	Foreign key	ID for each achievement type
Awards_ID	integer	Not null	ID for each awards
Awards_Image	binary	Not null	Image of the awards
Certification_ID	integer	Not null	ID for each certificates
Certification_Image	varbinary	Not null	Image of the certificates

**TABLE ADMIN**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Admin_ID	integer	Primary key	ID for each admin
Admin_Name	varchar(20)	Not null	Name of the admin

**TABLE HR**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
HR_ID	integer	Primary key	ID for each HR
HR_Name	varchar(20)	Not null	Name of the HR

**TABLE REPORTING PERSON**

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Reportingperson_ID	integer	Primary key	ID for each reporting person
Admin_Name	varchar(20)	Not null	Name of the reporting person

### PROFILE HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Profile_History_Id	integer	Primary key	ID for each profile history
User_Id	varchar(10)	Foreign key	ID of the user
Status_Id	Varchar(10)	Foreign key	Status of the profile
Approved_Date	date	Not null	Approved date of the profile

### PERSONAL DETAILS HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Personal_details_History_Id	integer	Primary key	ID for each personal details history
Profile_History_Id	integer	Foreign key	ID of the profile history
Objective	varchar(100)	Not null	Description about profiler
Date_of_Birth	date	Not null	Date of Birth of the profiler
Nationality	varchar(30)	Not null	Nationality of the profiler
Date_of_Joining	date	Not null	Date of joining of the profiler
Profile_Picture	varbinary	Not null	Profile picture of the profiler
Experience	integer	Not null	Experience of the profiler

### EDUCATIONAL\_DETAILS\_HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Education_History_Id	integer	Primary key	ID for each education history
Profile_History_Id	integer	Foreign key	ID of the profile history
College_Id	varchar(10)	Foreign key	ID of the college
Degree_Name	varchar(10)	Not null	Degree of the user
Course_Name	varchar(40)	Not null	Course name of the user
Starting_Year	date	Not null	Starting year of the course
Ending_Year	date	Not null	Ending year of the course
Percentage	float	Not null	Percentage of the user

### PROJECT\_DETAILS\_HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
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Project_History_Id	integer	Primary key	ID for each project history
Profile_History_Id	integer	Foreign key	ID of the profile history
Role_id	varchar(10)	Foreign key	ID of the role
Project_Name	varchar(20)	Not null	Name of the project
Project_Description	varchar(40)	Not null	Description of the project
Project_Starting_Month	date	Not null	Starting month of the project
Project_Ending_Month	date	Not null	Ending month of the project
Project_Starting_Year	date	Not null	Starting year of the project
Project_Ending_Year	date	Not null	Ending year of the project
Tools_Used	varchar(60)	Not null	Tools of the project

## SKILL HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Skill_History_Id	integer	Primary key	ID for each skill history
Profile_History_Id	integer	Foreign key	ID of the profile history
Domain_id	varchar(10)	Foreign key	ID of the domain

## ACHIEVEMENT HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Achievement_History_Id	integer	Primary key	ID for each Achievement History
Profile_History_ID	integer	Foreign key	ID of the profile history
Achievement_Type	varchar(20)	Not null	Type of the achievement

## LANGUAGE HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Language_History_Id	integer	Primary key	ID for each language history
Profile_History_ID	integer	Foreign key	ID of the profile history
Language_Name	varchar(10)	Not null	Name of the language
Read	bool	Default	Able to read the language
Write	bool	Default	Able to write the language
Speak	bool	Default	Able to speak the language

## SOCIAL\_MEDIA HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Social_Media_History_Id	integer	Primary key	ID for each social media history
Profile_History_ID	integer	Foreign key	ID of the profile history
Socialmedia_Name	varchar(20)	Not null	Name of the social media
Socialmedia_Link	varchar(50)	Not null	Link of the social link

## BREAK DURATION HISTORY

FIELD NAME	DATATYPE	CONSTRAINTS	DESCRIPTION
Break_Duration_History_Id	integer	Primary key	ID for each Break duration history
Profile_History_ID	integer	Foreign key	ID of the profile history
Starting_Month	date	Not null	Starting month of the duration
Starting_Year	date	Not null	Starting year of the duration
Ending_Month	date	Not null	Ending month of the duration
Ending_Year	date	Not null	Ending year of the duration

## MODULES

**Admin module:** Admin can able to permit/deny access to user to see others profile, able to view/update master data, able to add HR Partner and also able to view/remove user.

**HR partner module:** HR partner can able to register new user, able to assign reporting person to user and able to edit user details when requested by user.

**Profile creator module:** Profile creator can create his/her own profile, update their profile, export and share their profile and to view profile histories.

**Profile Searcher:** Profile Searcher can search, view profiles, request to update others profile, export the profile of searched person, approve or reject user's profile (reporting user) and share his/her profile.

## Non Functional Requirements

Consistency-constant work flow at any point of time ie., from login to profile creation,profile searching and logout.

Conventionality-followed the conventional patterns

Navigability-In Profile Management proper navigation can be maintained,

Responsivity-given single responsibility so faster responsiveness is made.

Simplicity-Be simple,any one can understand.

Performance- how fast a Profile Management or its particular piece responds to certain user's actions under certain workload.

Scalability- assesses the highest workloads under which the system will still meet the performance requirements.

Maintainability-defines the time required for a solution

Availability- how likely the system is accessible for a user at a given point of time

Security- profiler's data is stored with safe and security.