

HRS DATA MODEL

HRS Application – Technical Design

HRS APPLICATION – TECHNICAL CLASS DESIGN

India Delivery Centre

DataModel

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Document Properties

Prepared by	To be reviewed by	To be approved by
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Revision History

Data Dictionary

Tables

1. Users

Maintain User details.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
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1.	UserId	Int	4	Yes	No	Yes	No	Represents autogenerated user id.
2.	UserName	Varchar	20	No	No	No	Yes	Represents user name.
3.	Password	Varchar	20	No	No	No	No	Represents user password.
4.	FirstName	Varchar	20	No	No	No	No	Represents first name of the user.
5.	LastName	Varchar	20	No	Yes	No	No	Represents last name of the user.
6.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
7.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
8.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
9.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

2. Roles

Maintain Role Details.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	RoleId	Int	4	Yes	No	Yes	No	Represents autogenerated Role id.
2.	RoleName	Varchar	20	No	No	No	Yes	Represents the Role name.

3.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
4.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
5.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
6.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

3. UserRoles

Maintains mapping between the users and the roles assigned to them. One user can belong to multiple roles.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	UserId	Int	4	No	No	No	Yes	Represents the user id. Foreign key – from Users table.
2.	RoleId	Int	4	No	No	No	Yes	Represents the Role id. Foreign key – from Roles table.
3.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
4.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.

5.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
6.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

4. Employee

Maintain Employee detail.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	EmployeeId	Int	4	Yes	No	Yes	No	Represents the autogenerated Employee Id.
2.	FirstName	Varchar	50	No	No	No	No	Represents the first name of the employee.
3.	MiddleName	Varchar	50	No	No	No	No	Represents the middle name of the employee.
4.	LastName	Varchar	50	No	No	No	No	Represents the last name of the employee.
5.	BirthDate	Datetime	8	No	No	No	No	Represents the Birth Date of the employee.
6.	Age	Int	4	No	Yes	No	No	Represents age of the employee.
7.	Gender	Varchar	1	No	No	No	No	Represents gender of the employee.
8.	CivilStatus	Int	4	No	No	No	No	Represents civil status of the employee. Foreign key – from

								CivilStatus table (StatusId).
9.	Religion	Varchar	20	No	Yes	No	No	Represents religion of the employee.
10.	SSNo	Varchar	15	No	No	No	Yes	Represents Social Security number of the employee.
11.	TinNo	Varchar	15	No	No	No	Yes	Represents tin number of the employee.
12..	Citizenship	Varchar	15	No	No	No	No	Represents Citizenship of the employee.
13.	MobileNo	Varchar	15	No	Yes	No	No	Represents the mobile number of the employee.
14.	HomePhoneNo	Varchar	15	No	Yes	No	No	Represents the home phone number of the employee.
15.	Street1	Varchar	100	No	No	No	No	Represents Street1 in the address of the employee.
16.	Street2	Varchar	100	No	Yes	No	No	Represents Street2 in the address of the employee.
17.	City	Varchar	100	No	No	No	No	Represents the city in which the employee resides.
18.	State	Varchar	100	No	No	No	No	Represents the state in which the employee resides.
19.	ZipCode	Varchar	20	No	Yes	No	No	Represents the zip code of the city in which the employee resides.
20.	Country	Varchar	100	No	No	No	No	Represents the country in which the employee resides.

21.	ProjectProfile	Varchar	100	No	Yes	No	No	Represents the project profile of the employee.
22.	SkillProfile	Varchar	100	No	Yes	No	No	Represents the skill profile of the employee.
23.	EducBackGround	Varchar	500	No	No	No	No	Represents the educational background of the employee.
24.	Recognitions	Varchar	500	No	Yes	No	No	Represents the certifications/awards received by the employee.
25.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
26.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
27.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
28.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

5. SyntelDetails

Maintain the Syntel related details of the Employee.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	EmployeeId	Int	4	No	No	Yes	No	Represents the Employee id. Foreign

								key – from Employee table.
2.	Email	Varchar	50	No	No	No	Yes	Represents the Email id of the Employee.
2.	Enterpriseld	Varchar	50	No	No	No	Yes	Represents the Enterprise id of the Employee.
3.	Level	Int	4	No	Yes	No	No	Represents the Employee level. Foreign key – from Level table (LevelId).
4.	LMU	Varchar	5	No	No	No	No	Represents the LMU of the employee.
5.	GMU	Varchar	5	No	No	No	No	Represents the GMU of the employee.
6.	DateHired	Datetime	8	No	No	No	No	Represents the Date on which the employee was hired.
7.	WorkGroup	Varchar	30	No	Yes	No	No	Represents the Work Group to which the Employee belongs.
8.	Specialty	Int	4	No	Yes	No	No	Represents the Specialty of the Employee. Foreign key – from Specialty table (SpecialtyId).
9.	ServiceLine	Varchar	50	No	Yes	No	No	Represents the Service line of the employee.
10.	Status	Varchar	20	No	Yes	No	No	Represents the Status of the Employee.
11.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).

12.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
13.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
14.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

6. Project

Maintain Project details.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	ProjId	Int	4	Yes	No	Yes	No	Represents autogenerated project id.
2.	ProjName	Varchar	50	No	No	No	Yes	Represents project name.
3.	Description	Varchar	100	No	No	No	No	Represents project Description.
4.	Client	Varchar	50	No	No	No	No	Represents client name.
5.	StartDate	Datetime	8	No	No	No	No	Represents project start date.
6.	EndDate	Datetime	8	No	Yes	No	No	Represents project completion date.
7.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
8.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.

9.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
10.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

7. Category

Maintain Category details.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	CategoryId	Int	4	Yes	No	Yes	No	Represents autogenerated category id.
2.	CategoryName	Varchar	50	No	No	No	Yes	Represents Category name.
3.	CategoryDescription	Varchar	100	No	No	No	No	Represents Category description.
4.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
5.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
6.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
7.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

8. Skill

Maintain Skill related details.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	SkillId	Int	4	Yes	No	Yes	No	Represents autogenerated skill id.
2.	SkillName	Varchar	50	No	No	No	Yes	Represents skill name.
3.	SkillDescription	Varchar	100	No	No	No	No	Represents skill Description.
4.	CategoryId	Int	4	No	No	No	Yes	Represents the category id to which the skill belongs. Foreign key – from Category table.
5.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
6.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
7.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
8.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

9. CivilStatus

Maintain the list of Civil Status'. Used for filling the Civil Status dropdownlist.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	StatusId	Int	4	Yes	No	Yes	No	Represents autogenerated Status Id.
2.	StatusDescription	Varchar	25	No	No	No	Yes	Represents the Status Description.
3.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
4.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
5.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
6.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

10. Level

Maintain list of Levels. Used for filling the Level dropdownlist.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	LevelId	Int	4	Yes	No	Yes	No	Represents autogenerated level id.
2.	LevelDescription	Varchar	35	No	No	No	Yes	Represents level description.
3.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).

4.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
5.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
6.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the record was last modified.

11. Specialty

Maintain list of Specialties. Used for filling the Specialty dropdownlist.

Sr. No	Column Name	Data Type	Length	Identity	Nullable	Primary key	Unique Constraint	Description
1.	SpecialtyId	Int	4	Yes	No	Yes	No	Represents autogenerated Specialty id.
2.	SpecialtyName	Varchar	35	No	No	No	Yes	Represents Specialty name.
3.	CreatedBy	Int	4	No	No	No	No	Represents the username who created the record. Foreign key – from Users table (UserID).
4.	CreatedDate	Datetime	8	No	No	No	No	Represents the date & time when the record was created.
5.	LastModifiedBy	Int	4	No	Yes	No	No	Represents the username who modified the record. Foreign key – from Users table (UserID).
6.	LastModifiedDate	DateTime	8	No	Yes	No	No	Represents the date & time when the

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