Design Specification Document

Human Resource Management System

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1. Activity Flow Diagrams

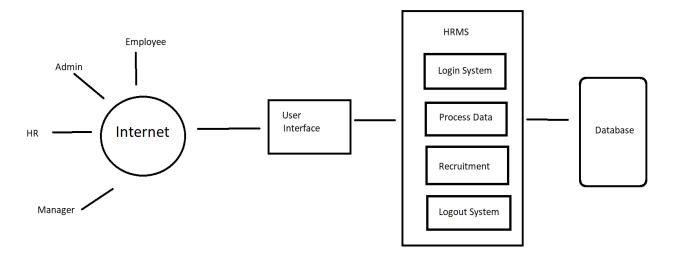


Fig 1.1 Generic Use case diagram

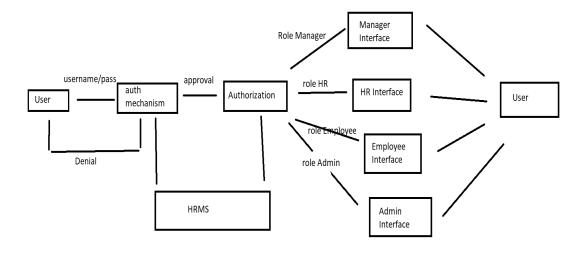


Fig 1.2 Authorization / Authentication

2. Class Diagrams

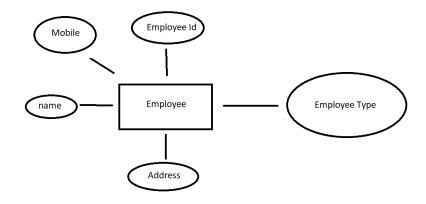


Fig 2.1 Employee Model

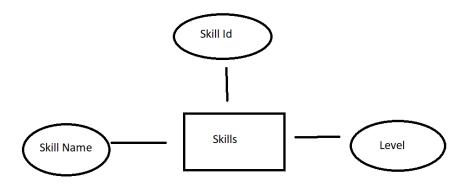


Fig 2.2 Skill Model

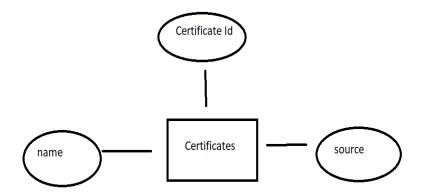


Fig 2.3 Certificate Model

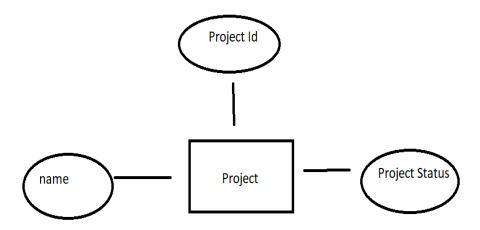


Fig 2.3 Project Model

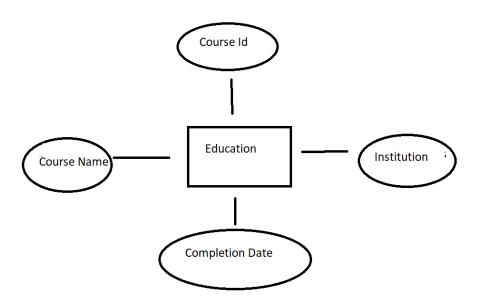


Fig 2.4 Education Model

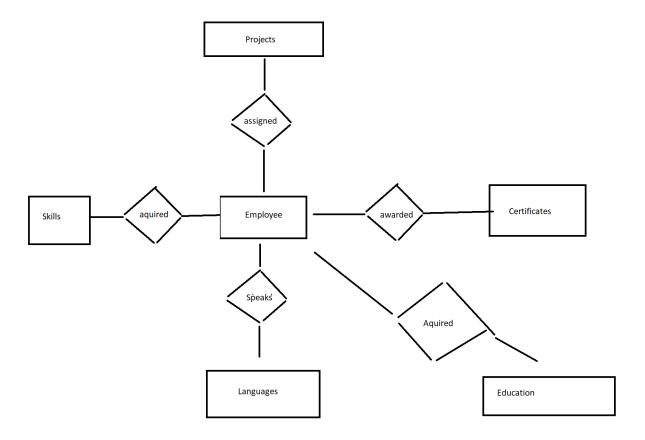


Fig 2.5 Relationships

3. Database Design Structures



4. Functionality of Different Modules

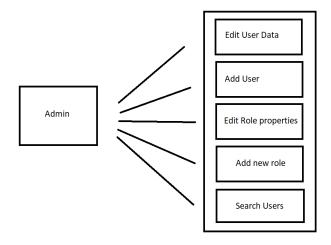


Fig 4. 1 Admin

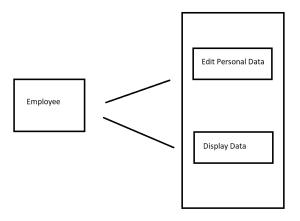


Fig 4.2 Employee

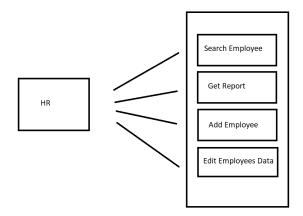


Fig 4.3 HR

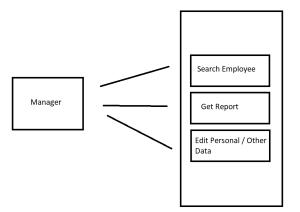


Fig 4.4 Manager

5. Source Code Structure

5.1 Classes

```
class Employee {
    private int id;
    private String name;
    private String password;
    private String role;
}
```

```
class Skill {
    private int skillId;
    private String skillName;
    private int skillLevel;
}
```

```
class Certificate {
    private int cid;
    private String cname;
    private String csource;
}
```

```
class Project {
    private String projectId;
    private String projectName;
    private String source;
}
```

5.2 Methods

5.2.1 Authentication / Authorization

```
public String login() {
    return "";
}
```

```
public String loggout() {
     return "";
}
```

```
public String register() {
    return "";
}
```

```
public String roleCheck()
{
    return "";
}
```

5.2.2 User Methods

```
public String edit()
{
    return "";
}
```

```
public boolean search()
{
    return false;
}
```