**Internship Program**

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**Summary:**

IDS Internship Program is a web application requested by Integrated Digital Systems(IDS). The web application offers a simple way to monitor the interns previously and currently enrolled at the company. Each intern is given a supervisor, whose profile is created by the admin, and a department to be part of. The application also allows a list of specifically search interns to be exported as a PDF file.

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# **Introduction:**

The internship program provides a quick, simple, and easy way to add, view, and manage interns enrolled at the company. As well as their education details throughout the internship, such as their supervisor, department, join date, end date(if done), major, and other details. This report shows the requirement analysis and design of the application.

# **Requirement Analysis:**

* Security Management
* Intern Management
* Intern Listing
* Export Intern List to PDF
* Employee Management
* Upload and Download documents of interns

**Requirement Specifications:**

* Member accounts(Employee/Admin)
* Admin must be able to change role of members
* Admin must be able to add interns
* Admin must be able to add education to interns
* Admin must be able to assign supervisors and departments
* PDF export of specifically searched interns

# **Design:**

## Database:

Besides the ASP membership tables, the following tables were created:

Intern(int ID Primary Key, String First\_Name, String Last\_Name, String photo, DateTime DoB, String PoB, String, Email, int Mobile, String Address, String Identity\_Card)

User\_Details(int ID Primary Key, DateTime DoB, String First\_Name, String Last\_Name, identifier UserID FK asp.mebmership.Users>ID)

Departments(int DepID Primary Key, String DepName)

Education(int InternID Primary Key FK Intern>ID, int Supevisor FK User\_Details>ID, int Deptmnt FK Departments>DepID, DateTime JoinDate, DateTime EndDate, String Major, String CV, String Degree, String GradCert)

## Pages:

The following paged were created:

* addEducation
* admin
* Continue
* CreateUser
* Educate
* Index
* Intern
* Interns
* Login
* newIntern

**Implementation:**

* November 1-10: Create Database, Implement Entity Framework, Implement Membership Provider, CreateUser page.
* November 10-25: Break for Freelancing work
* November 26-28: index page, newIntern page, Continue page (Continue page was created due to issues of adding User details at same time as creation, so once a user is created, you are redirected to Continue page to add more details), admin page, addEducation
* November 29-December 5: Educate page, Interns Page
* December 5-12: Interns Page, Login Page, Security, Export to PDF (Exporting to PDF was done using iText plugin)

# **Conclusion:**

The web application achieves its main goals, although more features regarding the users could be added. At the current moment the only way to manage them is by changing their roles. Altering details and deleting users could be added too.

# **References:**

* Various stackoverflow posts
* Various w3schools pages
* <https://www.c-sharpcorner.com/UploadFile/raj1979/getting-started-itextsharp-in-Asp-Net1/>
* <http://www.entityframeworktutorial.net/what-is-entityframework.aspx>