The Green Team

Website Design Documentation
For:
http://ecom.unt.edu/GreenTeam/

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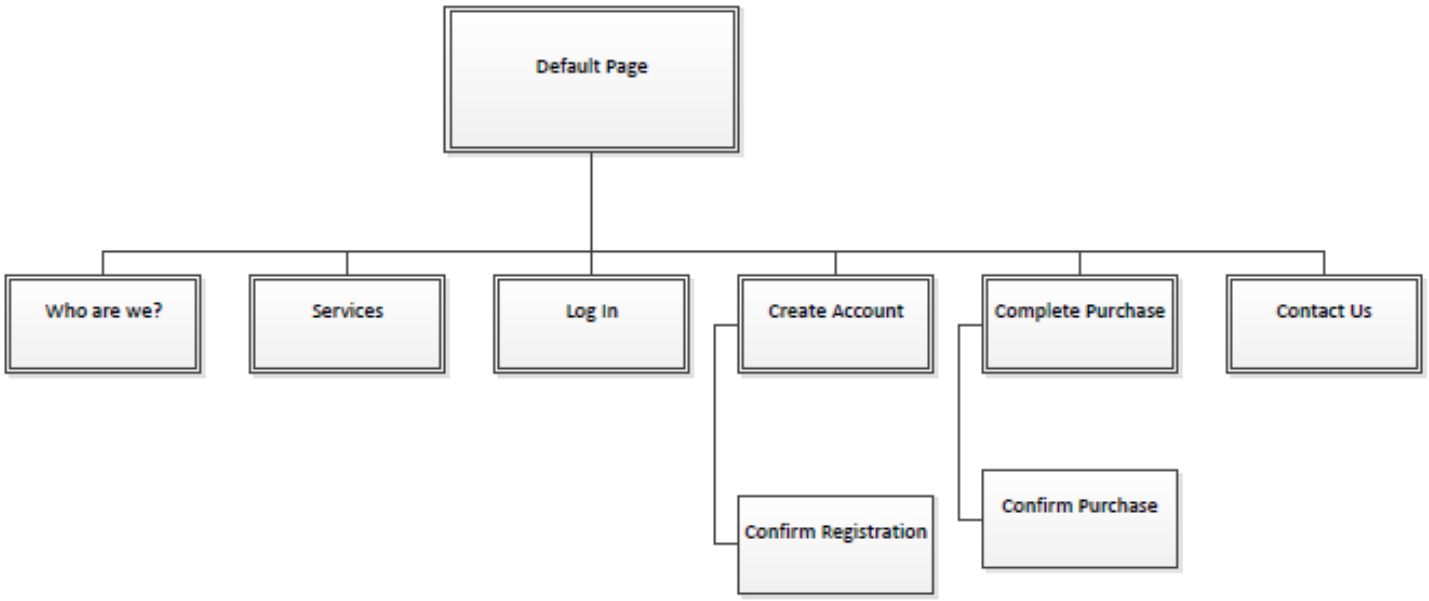
Contents

Hierarchy Chart of Website



Page Documentation

Home Page:

Purpose

The page will be the first to greet users who enter the URL or find us via a web search and generally give a summary of our organization and our goals.

Design

The default page includes our logo and a basic description of our work. There will also be pictures of nature and of businesses.

Data Collected

There is to be no data collected on the page.

Services:

Purpose

This page will inform the customers in greater detail who we are and what it is that we do. It will describe our specialties.

Design

Our services will be listed in an aesthetically interesting way.

Data Collected

No data is collected on this page.

Contact Us:

Purpose

This page will help the users get in contact with us.

Design

This page will contain contact information, including: a phone number, an address, and an email address.

Data Collected

No data will be collected from the page.

Create Account:

Purpose

This page will be designed to accept user's information so that in the future they can order our services and become customers.

Design

Text boxes will be used to accept information their information. In addition, there will be a button used for submitting info.

Data Collected

Information will include first and last names, company names, password, and their Email Address.

Confirm Registration:

Purpose

This page tells the user that they have successfully created an account in our system.

Design

The site will display a message indicating the account was created.

Data Collected

The site collects no information on this page.

Log In:

Purpose

This page allows the customer to insert their registered credentials, allowing them to place orders and see their account information.

Design

Text boxes will be used to enter the user name and password. There will also be a button allowing the submission of information allowing the users to log in.

Data Collected

The user's log in credentials will be collected on this page.

Services:

Purpose

The Services page will allow users to order our services.

Design

The customers will choose from a drop down menu their level of service, which will be accompanied by prices of the services.

Data Collected

The customer's selected service level and its accompanying price will be stored.

Who are we?:

Purpose

This page will give a description about our mission, and more information about our team.

Design

This page will be laid out in a style that quickly and effectively represents us to our clients.

Data Collected

No data will be collected here.

Complete Purchase:

Purpose

This page will allow the client to confirm the purchase of the product of their choosing.

Design

This page will be laid out in a way that shows all of the clients entered information and the item that they are trying to purchase so that they know what they are about to purchase so that they can do so with confidence.

Data Collected

This page will collect the complete purchase info. It will already have all of the info from when the customer filled out the purchase form on the confirm purchase page.

Confirm Purchase

Purpose

This page will allow the client to make a purchase from a product of their choosing.

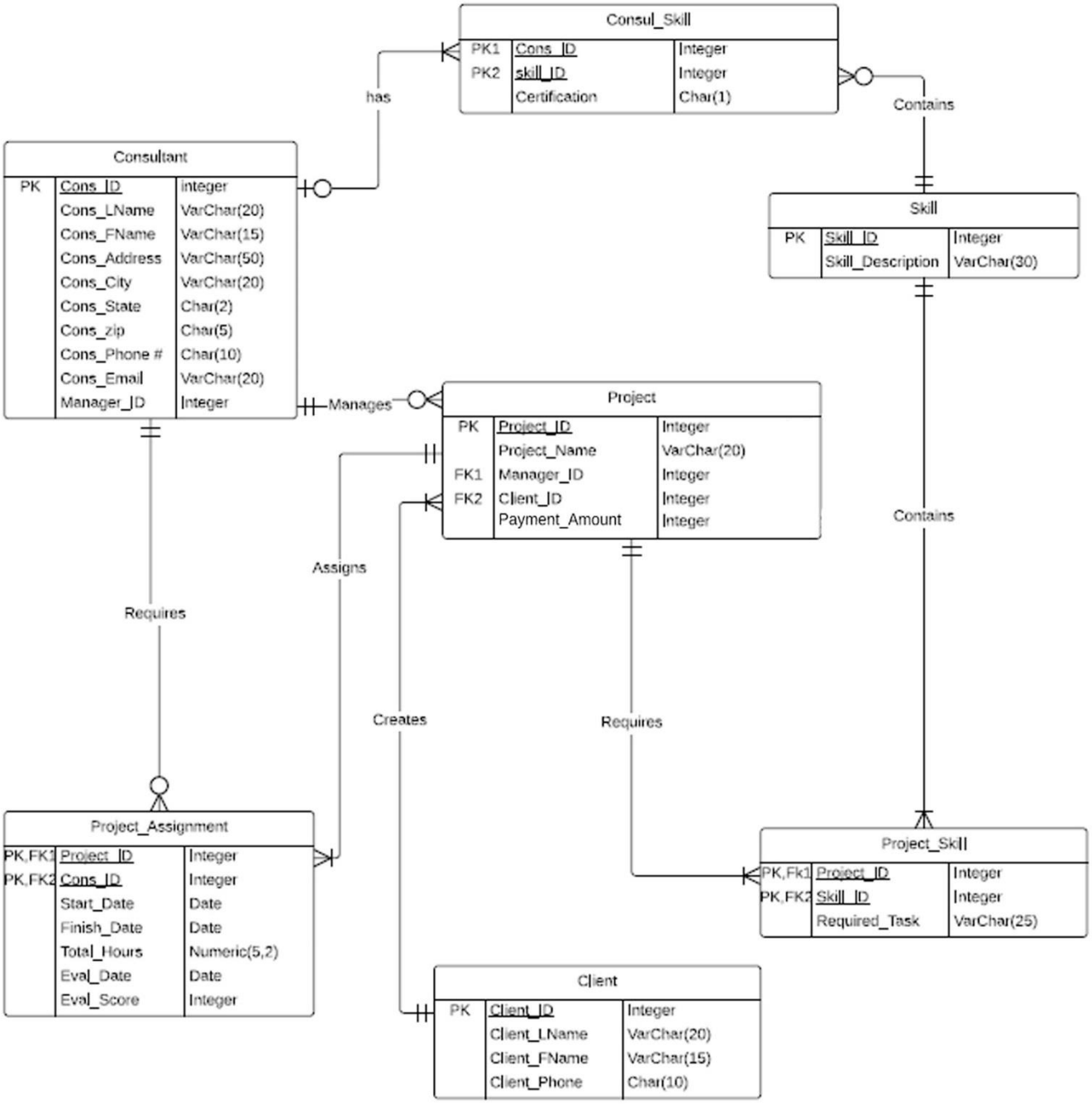
Design

A simplistic form will be displayed on this page. It will show the required fields that a client will need to fill out in order to make a purchase.

Data Collected

Data will be collected here. Things like first name, last name, address, phone number, email, and credit card info will be collected here.

Proposed E-R Diagram



Proposed Data Definition

Relation Listing:

(3NF) Consultant[CONS_ID, CONS_LName, CONS_FName, CONS_Address, CONS_City, CONS_STATE, CONS_ZIP, CONS_PHONE#, CONS_Email, MANAGER_ID]

(3NF) Skill[Skill_ID, SKILL_DESCRIPTION]

(3NF) Cons_Skill[CONS_ID, Skill_ID, Certificate]

(3NF) Client[Client_ID, Client_LName, Client_FName, Client_Phone#]

(3NF) Project[Project_ID, Project_Name, MANAGER_ID, Client_ID, PARENT_ID]

(3NF) Project_Skill[Project_ID, SKILL_ID, Required_Task]

(3NF) Project_Assignment[Project_ID, cons_ID, START_date, Finish_Date, Total_Hours, Eval_Date, Eval_Score]

Consultant

```
CREATE TABLE CONSULTANT (
CONS_ID      INTEGER     NOT NULL,
CONS_LNAME   VARCHAR(20)  NOT NULL,
CONS_FNAME   VARCHAR(15)  NOT NULL,
CONS_ADDRESS  VARCHAR(50)  NOT NULL,
CONS_CITY    VARCHAR(20)  NOT NULL,
CONS_STATE   CHAR(2)     NOT NULL,
CONS_ZIP     CHAR(5)     NOT NULL,
CONS_PHONE#  CHAR(10)    NOT NULL,
CONS_EMAIL   VARCHAR(20)  NOT NULL,
MANAGER_ID   INTEGER,
PRIMARY KEY (CONS_ID),
CONSTRAINT CONS_UI1 UNIQUE (CONS_LNAME, CONS_FNAME));

CREATE UNIQUE INDEX P1CO1 ON CONSULTANT (CONS_LNAME, CONS_FNAME);
```

Skill

```
CREATE TABLE SKILL (
SKILL_ID         INTEGER     NOT NULL,
SKILL_DESCRIPTION  VARCHAR(30)  NOT NULL,
PRIMARY KEY (SKILL_ID));

CREATE UNIQUE INDEX P1SK ON SKILL (SKILL_ID);
```

Cons_Skill

```
CREATE TABLE CONS_SKILL (
CONS_ID     INTEGER   NOT NULL,
```

```
SKILL_ID     INTEGER   NOT NULL,
CERTIFICATE  CHAR(1)   NOT NULL CHECK(CERTIFICATE IN ('Y','N')),
PRIMARY KEY(CONS_ID,SKILL_ID),
FOREIGN KEY(CONS_ID) REFERENCES CONSULTANT,
FOREIGN KEY(SKILL_ID) REFERENCES SKILL);

CREATE UNIQUE INDEX P1CS ON CONS_SKILL (CONS_ID,SKILL_ID);

CREATE INDEX P1CS1 ON CONS_SKILL (CONS_ID);

CREATE INDEX P1CS2 ON CONS_SKILL (SKILL_ID);
```

Client

```
CREATE TABLE CLIENT (
CLIENT_ID      INTEGER      NOT NULL,
CLIENT_LNAME   VARCHAR(20)  NOT NULL,
CLIENT_FNAME   VARCHAR(15)  NOT NULL,
CLIENT_PHONE#  CHAR(10)     NOT NULL,
PRIMARY KEY (CLIENT_ID),
CONSTRAINT CLIENT_UI1 UNIQUE (CLIENT_LNAME, CLIENT_FNAME));

CREATE UNIQUE INDEX P1CL ON CLIENT (CLIENT_ID);

CREATE UNIQUE INDEX P1CL1 ON CLIENT (CLIENT_LNAME, CLIENT_FNAME);
```

Project

```
CREATE TABLE PROJECT (
PROJECT_ID    INTEGER      NOT NULL,
PROJECT_NAME  VARCHAR(20)  NOT NULL,
MANAGER_ID    INTEGER      NOT NULL,
CLIENT_ID     INTEGER      NOT NULL,
PAYMENT_AMOUNT INTEGER NOT NULL,
PRIMARY KEY (PROJECT_ID),
FOREIGN KEY (MANAGER_ID) REFERENCES CONSULTANT,
FOREIGN KEY (CLIENT_ID) REFERENCES CLIENT);

CREATE UNIQUE INDEX P1PR ON PROJECT (PROJECT_ID);

CREATE INDEX P1PR0 ON PROJECT (MANAGER_ID);

CREATE INDEX P1PR1 ON PROJECT (CLIENT_ID);
```

Project_Skill

```
CREATE TABLE PROJECT_SKILL (
PROJECT_ID    INTEGER     NOT NULL,
SKILL_ID      INTEGER     NOT NULL,
```

```
REQUIRED_TASK VARCHAR(25) NOT NULL,
PRIMARY KEY (PROJECT_ID, SKILL_ID),
FOREIGN KEY (PROJECT_ID) REFERENCES PROJECT,
FOREIGN KEY (SKILL_ID) REFERENCES SKILL);

CREATE UNIQUE INDEX P1PS ON PROJECT_SKILL (PROJECT_ID, SKILL_ID);

CREATE INDEX P1PS1 ON PROJECT_SKILL (PROJECT_ID);

CREATE INDEX P1PS2 ON PROJECT_SKILL (SKILL_ID);
```

Project_Assignment

```
CREATE TABLE PROJECT_ASSIGNMENT (
PROJECT_ID   INTEGER      NOT NULL,
CONS_ID      INTEGER      NOT NULL,
START_DATE   DATE         NOT NULL,
FINISH_DATE  DATE,
TOTAL_HOURS  NUMERIC(5,2) NOT NULL,
EVAL_DATE    DATE,
EVAL_SCORE   INTEGER CHECK(EVAL_SCORE BETWEEN 0 AND 100),
PRIMARY KEY (PROJECT_ID, CONS_ID),
FOREIGN KEY (PROJECT_ID) REFERENCES PROJECT,
FOREIGN KEY (CONS_ID) REFERENCES CONSULTANT,
CONSTRAINT START_CK2 CHECK (FINISH_DATE > START_DATE),
CONSTRAINT EVAL_CK1 CHECK (EVAL_DATE > START_DATE));

CREATE UNIQUE INDEX P1PA ON PROJECT_ASSIGNMENT (PROJECT_ID, CONS_ID);

CREATE INDEX P1PA1 ON PROJECT_ASSIGNMENT (PROJECT_ID);

CREATE INDEX P1PA2 ON PROJECT_ASSIGNMENT (CONS_ID);
```