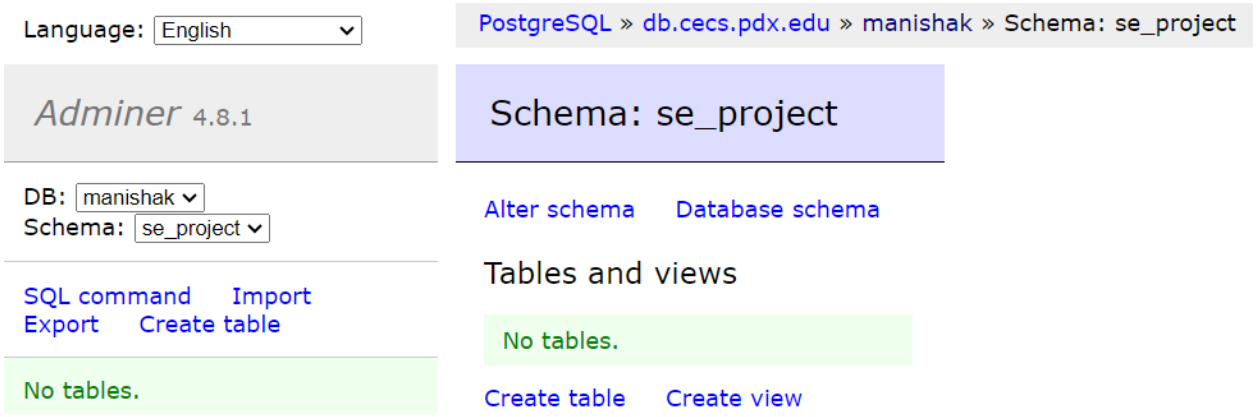
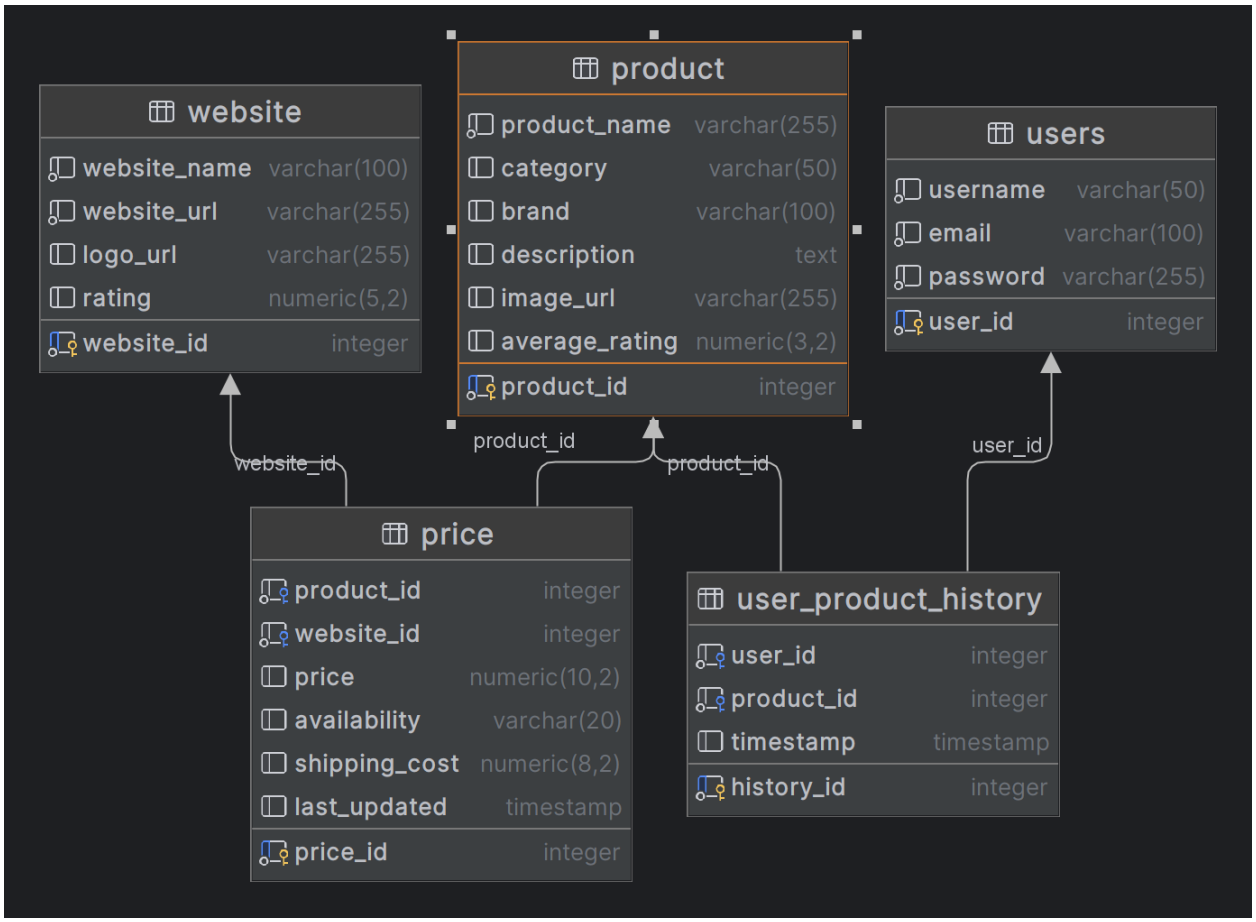
Project Database

Step-1: Create the Schema for the Database:

CREATE SCHEMA se_project;



Step-2: CREATE the ER Diagram for the Database:



Step-3: CREATE the tables in the database:

```
CREATE TABLE se_project.product (
    product_id  SERIAL PRIMARY KEY,
    product_name VARCHAR(255) NOT NULL,
    category VARCHAR(50),
    brand VARCHAR(100),
    description TEXT,
    image_url VARCHAR(255),
    average_rating DECIMAL(3, 2)
);
```

PostgreSQL » db.cecs.pdx.edu » manishak » se_project » Table: product

Table: product

Select data **Show structure** Alter table New item

Column	Type	Comment
product_id	integer *Auto Increment* [**nextval('product_product_id_seq')**]	
product_name	character varying(255)	
category	character varying(50) *NULL*	
brand	character varying(100) *NULL*	
description	text *NULL*	
image_url	character varying(255) *NULL*	
average_rating	numeric(3,2) *NULL*	

```
CREATE TABLE se_project.website (
    website_id SERIAL PRIMARY KEY,
    website_name VARCHAR(100) NOT NULL,
    website_url VARCHAR(255) NOT NULL,
    logo_url VARCHAR(255),
    rating DECIMAL(5, 2)
);
```

PostgreSQL » db.cecs.pdx.edu » manishak » se_project » Table: website

Table: website

Select data **Show structure** Alter table New item

Column	Type	Comment
website_id	integer *Auto Increment* [**nextval('website_website_id_seq')**]	
website_name	character varying(100)	
website_url	character varying(255)	
logo_url	character varying(255) *NULL*	
rating	numeric(5,2) *NULL*	

```
CREATE TABLE se_project.price (
    price_id SERIAL PRIMARY KEY,
    product_id INT NOT NULL  REFERENCES product (product_id),
    website_id INT NOT NULL  REFERENCES website (website_id),
    price DECIMAL(10, 2),
    availability VARCHAR(20),
    shipping_cost DECIMAL(8, 2),
    last_updated TIMESTAMP
);
```

PostgreSQL » db.cecs.pdx.edu » manishak » se_project » Table: price

Table: price

Select data **Show structure** Alter table New item

Column	Type	Comment
price_id	integer *Auto Increment* [**nextval('price_price_id_seq')**]	
product_id	integer	
website_id	integer	
price	numeric(10,2) *NULL*	
availability	character varying(20) *NULL*	
shipping_cost	numeric(8,2) *NULL*	
last_updated	timestamp *NULL*	

```
CREATE TABLE se_project.users (
    user_id SERIAL PRIMARY KEY,
    username VARCHAR(50) NOT NULL,
    first_name VARCHAR(50) NOT NULL,
    last_name VARCHAR(50) NOT NULL,
    email VARCHAR(100) NOT NULL,
    password VARCHAR(255) NOT NULL
);
```

PostgreSQL » db.cecs.pdx.edu » manishak » se_project » Table: users

Table: users

Select data **Show structure** Alter table New item

Column	Type	Comment
user_id	integer *Auto Increment* [**nextval('users_user_id_seq')**]	
username	character varying(50)	
first_name	character varying(50)	
last_name	character varying(50)	
email	character varying(100)	
password	character varying(255)	

```
CREATE TABLE se_project.user_product_history (
    history_id SERIAL PRIMARY KEY,
    user_id INT NOT NULL REFERENCES users (user_id),
    product_id INT NOT NULL REFERENCES product (product_id),
    timestamp TIMESTAMP
);
```

PostgreSQL » db.cecs.pdx.edu » manishak » se_project » Table: user_product_history

Table: user_product_history

Select data **Show structure** Alter table New item

Column	Type	Comment
history_id	integer *Auto Increment* [**nextval('user_product_history_history_id_seq')**]	
user_id	integer	
product_id	integer	
timestamp	timestamp *NULL*	