



Prepared by

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UTBshop application

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Project Overview:

UTBshop is a full-stack responsive e-commerce website built with ASP.NET Core MVC (.NET6). It provides a seamless shopping experience for users and includes robust features for admins and guests.



Key Features

General Features:

- Responsive design using HTML5, CSS3, and Bootstrap.
- Smooth animations with CSS3 and JavaScript.
- Client-side and server-side validation.
- Authentication and authorization.

User Features:

- Sign-up and Sign-in.
- View product catalog with images.
- Shopping cart management (add, remove, update items).
- Order confirmation.

Admin Features:

- Manage products (add, update, delete with image upload).
- Manage users and orders.
- Special routing for admin roles.

Technologies Used

Frontend:

- HTML5, CSS3, Bootstrap: Responsive and interactive UI.
- JavaScript & jQuery: Animations and interactivity.

Backend:

- ASP.NET Core MVC (.NET 6): Business logic and routing.
- Entity Framework Core: ORM for database interactions.

Database:

- MS SQL Server: Stores products, users, and

Routing and Role Management

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Guest Routes:

- View products, sign-up, and sign-in.



User Routes:

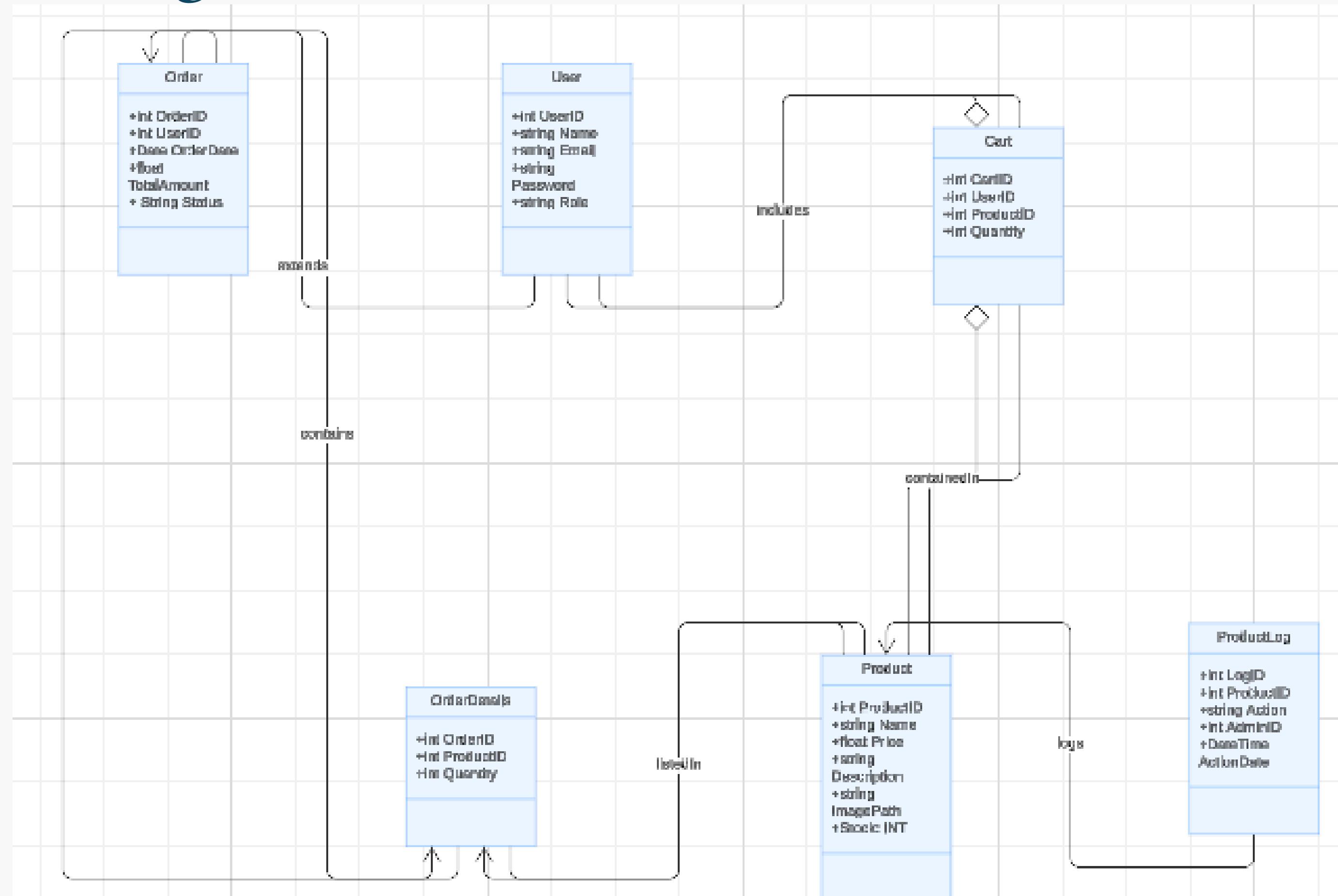
- Manage cart and orders.
- Update user profile.

Admin Routes:

- Manage products.
- Manage users and orders

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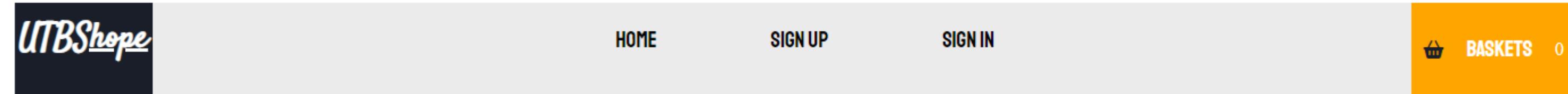
Class diagram



Features Screenshots



Home Page:



UTB SHOPE:

A proud student, a graduate or just a University supporter? And you have already bought that cool hoodie

OUR PRODUCTS

Home Page:



Nvidia RTX 3060

\$310

BUY

Electronics

GPU card with 6GB RAM and
tomato



Nvidia 1660Ti

\$250

BUY

Electronics, Computers

GPU card with 6GB RAM and
tomato



Acer Nitro 5 Shale Black

\$1387.91

BUY

Laptops

Gaming Laptop - AMD Ryzen 5 5600H, 15.6" IPS anti-glare 1920 × 1080 165 Hz, RAM 16GB DDR4, NVIDIA GeForce RTX 3050 Ti 4GB, SSD 1000GB, numeric keypad, backlit keyboard, webcam, USB 3.2 Gen 1, USB-C, Windows 11 Home



Apple Watch Series 7
41mm Gree

\$322.44

BUY

Apple Watch

smart Watch with control in English language, calling from watch via paired phone (within Bluetooth range), NFC payments via Apple Pay, heart rate monitoring, EKG monitoring, sleep monitoring, pedometer, oximeter, barometer, suitable for: running, cycling,



Jabra Evolve 80 MS
Stereo USB-

\$320.4

BUY

Headphones

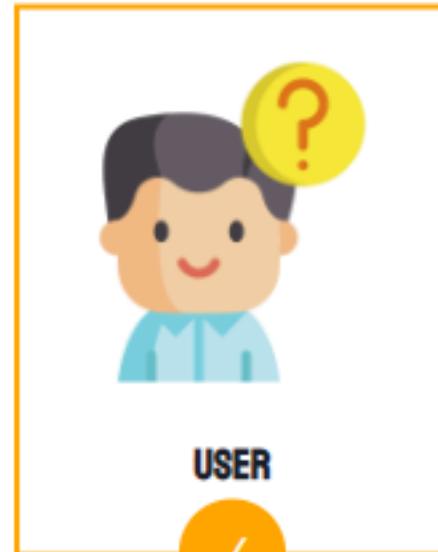
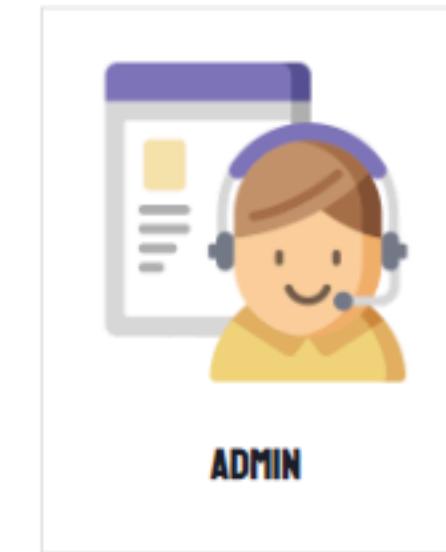
Headset - with microphone, headset, around the ears, closed construction, 3,5mm Jack, USB-A, for PC, active noise control (ANC), taking calls, with volume control, frequency range: 70 Hz-20000 Hz, cord length of 1,2m

Login Page:

[HOME](#)[SIGN UP](#)[SIGN IN](#)

B

CHOOSE ACCOUNT TYPE



HELLO USER!

PLEASE FILL OUT THE FORM BELOW TO GET STARTED

USERNAME

PASSWORD

NO ACCOUNT? [SIGN UP](#)

[Login](#)

SignUp Page:



HOME SIGN UP SIGN IN

BASKETS 0



Sign Up

Already have an Account ? [Log In](#)

User name

First Name

Last Name

Email:

Password

Must be at least 10 characters

Confirm Password

Must be at least 10 characters

Phone Number

+420....

SIGN UP

Cart Items:

UTBShop

HOME PRODUCTS ADMIN \$1,387.91 MY ORDERS BASKETS 0



Laptops

ACER NITRO 5 SHALE BLACK \$1387.91

GAMING LAPTOP - AMD

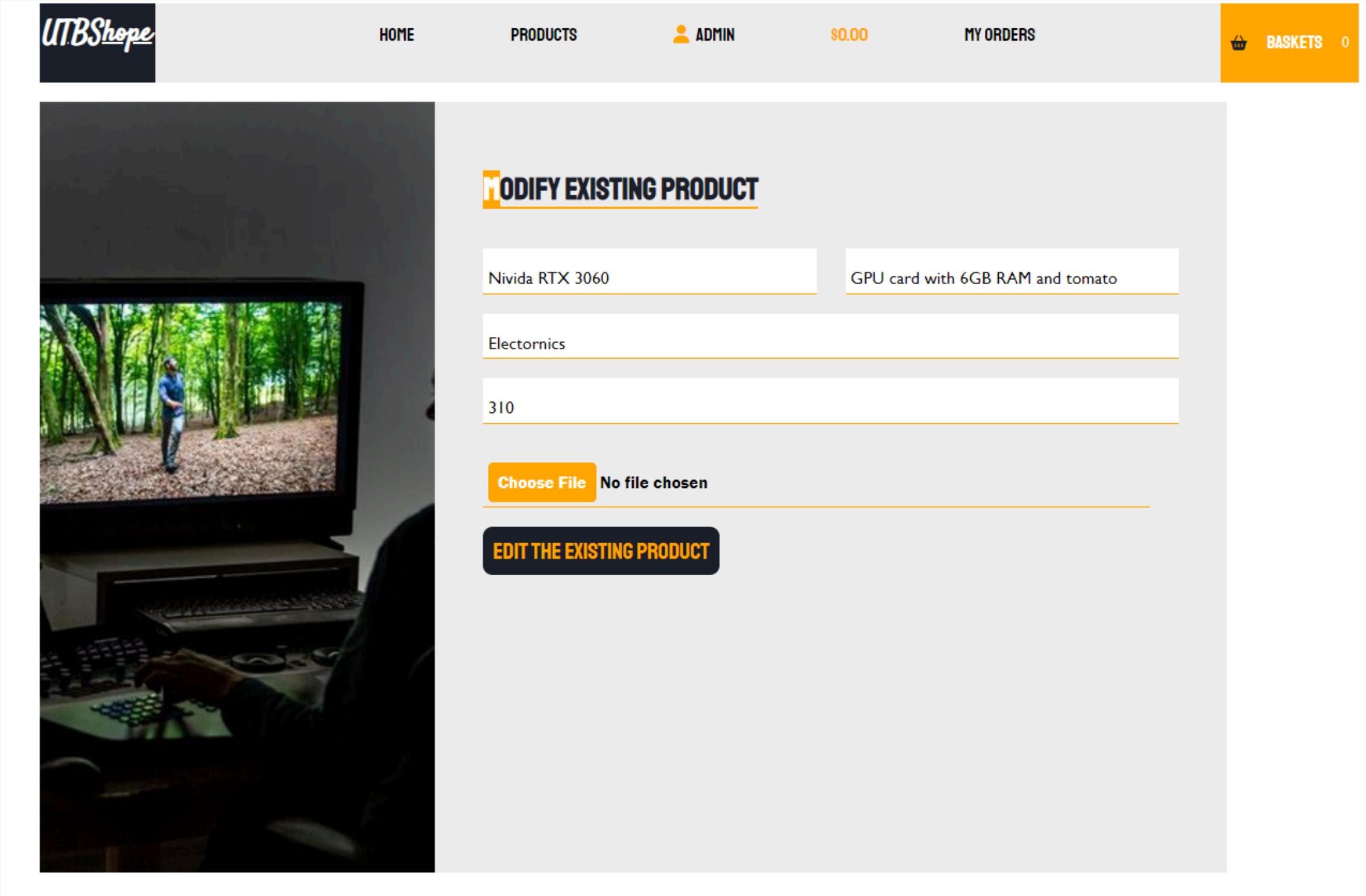
TOTAL PRICE: \$1387.91

Confirm Order

Products Admin Managements:

UTBShop		HOME	PRODUCTS	ADMIN	\$0.00	MY ORDERS	BASKETS 0
CREATE NEW PRODUCT							
Product ID	Product Name	Product Description		Product Image Source	Product Type	Product Price	Modifications
6	NIVIDA RTX 3060	GPU CARD WITH 6GB RAM AND TOMATO		/IMG/GPU1.JPG	ELECTORNICS	\$310	MODIFY DELETE
7	NIVIDA I660TI	GPU CARD WITH 6GB RAM AND TOMATO		/IMG/GPU2.JPG	ELECTORNICS, COMPUTERS	\$250	MODIFY DELETE
8	ACER NITRO 5 SHALE BLACK	GAMING LAPTOP - AMD RYZEN 5 5600H, 15.6" IPS ANTI-GLARE 1920 × 1080 165 HZ, RAM 16GB DDR4, NVIDIA GEFORCE RTX 3050 TI 4GB, SSD 1000GB, NUMERIC KEYPAD, BACKLIT KEYBOARD, WEBCAM, USB 3.2 GEN 1, USB-C, WINDOWS 11 HOME		/IMG/PRODUCTS\IMGW.JPG	LAPTOPS	\$1387.91	MODIFY DELETE
9	APPLE WATCH SERIES 7 41MM GREE	MART WATCH WITH CONTROL IN ENGLISH LANGUAGE, CALLING FROM WATCH VIA PAIRED PHONE (WITHIN BLUETOOTH RANGE), NFC PAYMENTS VIA APPLE PAY, HEART RATE MONITORING, EKG MONITORING, SLEEP MONITORING, PEDOMETER, OXIMETER, BAROMETER, SUITABLE FOR: RUNNING, CYCLING,		/IMG/PRODUCTS\JA070D4IH3.JPG	APPLE WATCH	\$322.44	MODIFY DELETE
10	JABRA EVOLVE 80 MS STEREO USB-	HEADSET - WITH MICROPHONE, HEADSET, AROUND THE EARS, CLOSED CONSTRUCTION, 3.5MM JACK, USB-A, FOR PC, ACTIVE NOISE CONTROL (ANC), TAKING CALLS, WITH VOLUME CONTROL, FREQUENCY RANGE: 70 HZ-20000 HZ, CORD LENGTH OF 1,2M		/IMG/PRODUCTS\IMGW.JPG	HEADPHONES	\$320.4	MODIFY DELETE

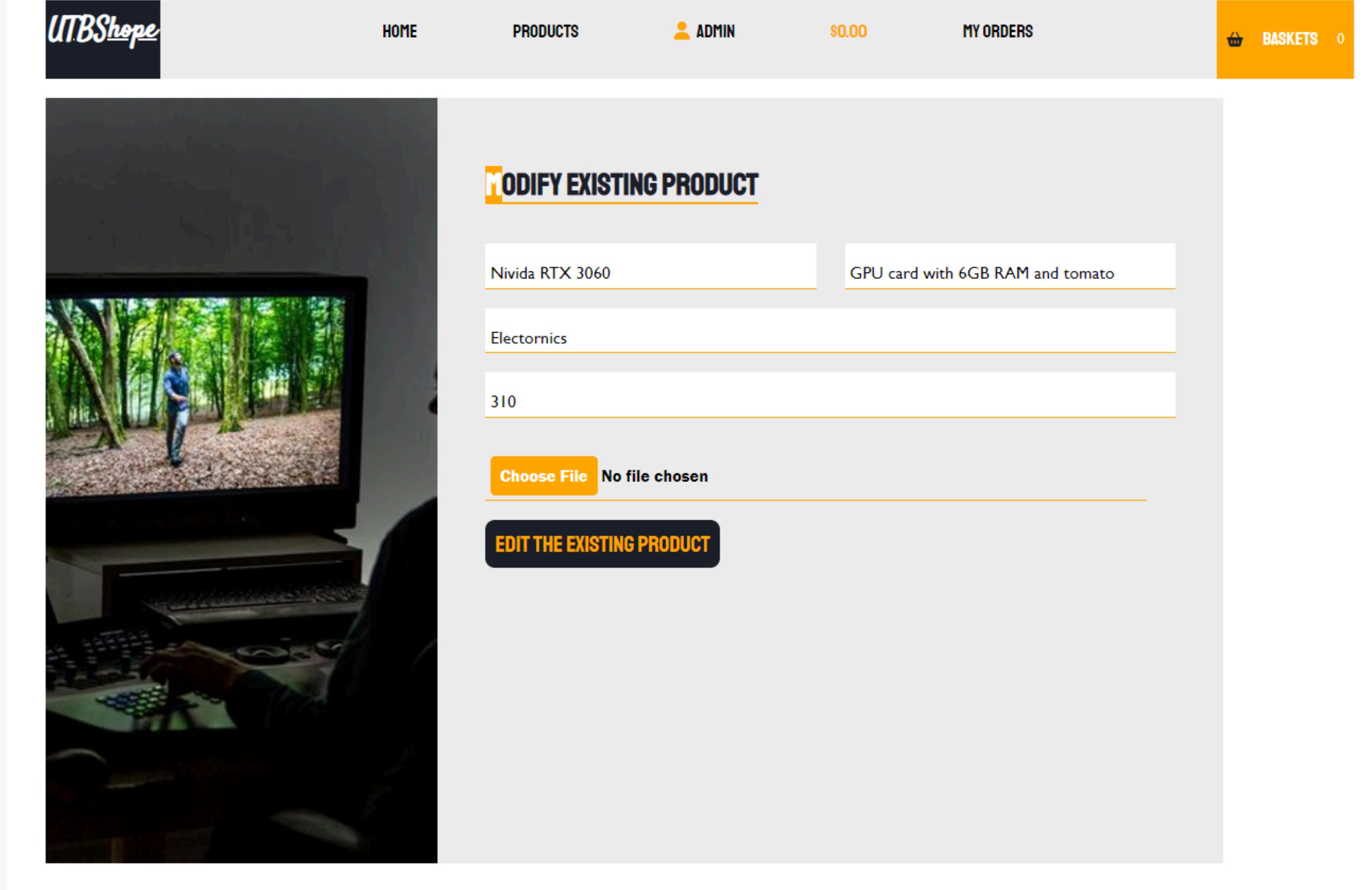
- Modifying Products Page:



The screenshot shows a web application interface for managing products. At the top, there is a navigation bar with the logo "UTBShop" on the left and links for "HOME", "PRODUCTS", "ADMIN" (with a user icon), "\$0.00", "MY ORDERS", and "BASKETS" (with a shopping cart icon and the number "0" next to it). Below the navigation bar, there is a large image of a computer monitor displaying a scene from a video game or simulation, showing a person in a forest environment. To the right of the image, the text "MODIFY EXISTING PRODUCT" is displayed in bold, uppercase letters. Below this, there are several input fields and buttons:

- A text input field containing "Nivida RTX 3060".
- A text input field containing "GPU card with 6GB RAM and tomato".
- A dropdown menu showing "Electornics".
- A text input field containing "310".
- A file upload input field with the placeholder "Choose File" and the message "No file chosen".

Creating New Product Page:



The image shows a screenshot of a web application titled "UTBShop" with a dark-themed header. The header includes links for "HOME", "PRODUCTS", "ADMIN" (with a user icon), "MY ORDERS", and a "BASKETS" button with a count of "0".

The main content area is titled "MODIFY EXISTING PRODUCT". It contains the following form fields:

- Product Name: Nivida RTX 3060
- Category: GPU card with 6GB RAM and tomato
- Price: 310
- Image Upload: A file input field with the placeholder "Choose File" and "No file chosen".

At the bottom of the form is a large, bold, black button labeled "EDIT THE EXISTING PRODUCT".

On the left side of the page, there is a large, dark image of a person standing in a dense forest, viewed through a computer monitor screen.



Thank you

