

A PROJECT REPORT
ON
AMD SemiConductors

Submitted

By

C V Sreyas DeviPrasad
(En.NO - 03051700083)

*In fulfilment for the award of the degree
Of*

Bachelor of Computer Application

In

Computer Department
V.J. Modha Collage Porbandar
October 2019



ACKNOWLEDGEMENT

The successful and final outcome of this Project required lots of guidance and assistance from many people and I am extremely fortunate to have completed my Project work. Whatever I have done is only due to such guidance and assistance and I should not forget to thank them. I respect and thank **Mr. Thakrar Zalak** at first place for giving me an opportunity to do this Project and providing me support and guidance through which I could complete the Project in time. I am extremely grateful to him for providing such co-operation.

This Project also could not be completed without the help of my parents. I would also like to thank my friends for their most valuable effort to help me. Last but not the least; I would once again like to express my gratitude to my friends, teachers, my parents for their support and willingness to spend their important time with me.

It is our great pleasure to represent our project as one Desktop application titled “**AMD SemiConductors**” and which we conceived in the 5th semester of BCA affiliated with BKNMU (Bhakt Kavi Narshinh Mehta University).

We are also thankful to the BKNMU (Bhakt Kavi Narshinh Mehta University) for including this project development subject in our syllabus. We got a golden opportunity to test and implement our creativity and programming skill simultaneously. Lastly, we would like to extend our sincere thanks to our advisors, classmates as well as all the books and websites.

Index

Sr NO	Topic Name	Page No
Chapter-1	INTRODUCTION 1.1 Purpose 1.2 Scope 1.3 Technology & Literature Review	5
Chapter-2	SYSTEM ANALYSIS 2.1 Problem Definition 2.2 Process Model 2.3 Requirement Analysis 2.4 SRS 2.5 Gantt Chart	12
Chapter-3	SYSTEM DESIGN 3.1 Data Flow Diagram 3.2 E-R Diagram 3.3 Use Case Diagram	23
Chapter-4	DATA DICTIONARY 4.1 Data Dictionary	29
Chapter-5	INPUT AND OUTPUT DESIGN 5.1 Admin Layout 5.2 Client Layout	35
Chapter-6	LIMITATIONS AND FUTURE ENHANCEMENT 6.1 Limitations 6.2 Further Enhancement	51
Chapter-7	CONCLUSION 7.1 Conclusion 7.2 Advantages	53
Chapter-8	BIBLIOGRAPHY	55
Chapter-9	REFERENCES	57

Abstract:

Project Type: Website

Project Title: AMD Semiconductors

Shop Name: Advanced Micro Devices

Project Language: PHP accompanied by HTML and CSS

Database: MySQL

Description:

This is a website for the company named Advanced Micro Devices, commonly known as AMD or the 'Red Team'. Recently AMD launched their Ryzen 3000 Series Processors and the new Radeon 5000 series GPUs. This website will have the Products listed.

An Admin Panel, Feedback form, Product Listing, etc have been included in this website.

Advantages:

- Listing of all the CPUs and GPUs
- Admin Panel to manage the Products and News
- Links to buy the Products

CHAPTER NO: 1

INTRODUCTION

1.1 Purpose

1.2 Scope

1.3 Technology and Literature Review

1.1 Purpose of the Website

The main purpose of this website is to list out the products to the masses via internet. This will help the company to attract potential customers. This website can also be used as an advertising platform. This website will give an opportunity to the company to present their products to the masses and potentially increase the sales of the company.

In this website the company can list out their products and list its specifications. This would help any potential customers to read and determine what to buy and what not to buy.

By covering new launches and listing them on the website, people can sit at their home and have a look at the products of the company and make a decision to buy it or not. Listing out the specs of the products will help the customers/users/reviewers to compare the products with the competitors and agree on which one is better than the others.

1.2 Scope

This website may help to increase the awareness of the company and its products. This will in turn help the company to increase their sales. With the help of this website, the company can determine what users/clients like based on the traffic and page visits.

Goals of the system:

- **List out the products**
- **Advertise the products**
- **List out the features of the products**
- **Showcase the new products**
- **A way to communicate with the masses**
- **Easy access to the information**

1.3 Technology & Literature Review

Front End:

➤ **HTML:**

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

➤ **CSS:**

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.

➤ **JavaScript:**

JavaScript, often abbreviated as JS, is a high level, interpreted scripting language that conforms to the ECMAScript specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it, and major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features.

Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases, and in non-web programs such as word processors and PDF software, and in runtime environments that make JavaScript available for writing mobile and desktop applications, including desktop widgets.

➤ **jQuery:**

jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License. As of May 2019, jQuery is used by 73% of the 10 million most popular websites. Web analysis indicates that it is the most widely deployed JavaScript library by a large margin, having 3 to 4 times more usage than any other JavaScript library.

jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. jQuery also provides capabilities for developers to create plug-ins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction

and animation, advanced effects and high-level, themeable widgets. The modular approach to the jQuery library allows the creation of powerful dynamic web pages and Web applications.

Back End:

➤ PHP:

PHP: Hypertext Preprocessor (or simply PHP) is a general-purpose programming language originally designed for web development. It was originally created by Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code may be executed with a command line interface (CLI), embedded into HTML code, or used in combination with various web template systems, web content management systems, and web frameworks. PHP code is usually processed by a PHP interpreter implemented as a module in a web server or as a Common Gateway Interface (CGI) executable. The web server outputs the results of the interpreted and executed PHP code, which may be any type of data, such as generated HTML code or binary image data. PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control.

➤ MySQL:

MySQL is an open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language.

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.

MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Facebook, Flickr, MediaWiki, Twitter, and YouTube.

CHAPTER NO : 2

SYSTEM ANALYSIS

2.1 Problem Definition

2.2 Process Model

2.3 Requirement analysis

2.4 SRS

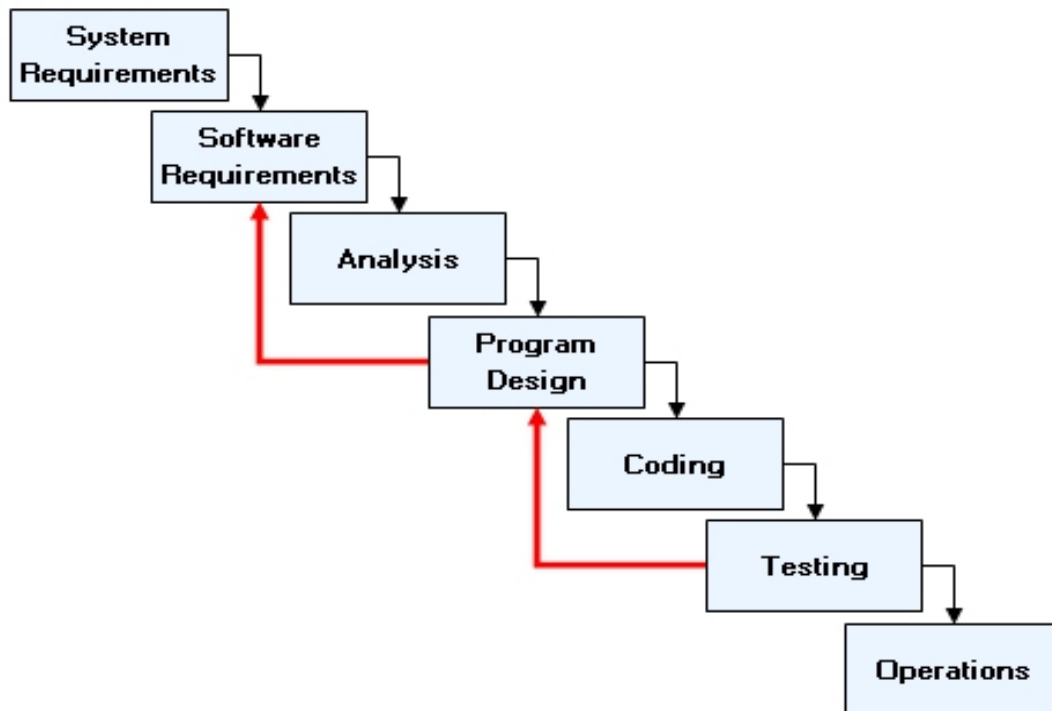
2.5 Grant Chart

2.1 Problem Definition

To increase the sales and awareness about the product of the company, in the masses, having a website is kind of mandatory. Having a website means that the people can look up your products online on your website and determine whether they need it or not. Any company that is related to the computing industry, should have their own attractive website.

2.2 Process Model

Iterative Waterfall Model



- Advantages of Iterative Waterfall Model
 1. Simple and Easy to Understand
 2. Each Phase has well defined input and output
 3. It works well for small project where requirements are clear and well understood
 4. It divides complex tasks into more manageable small tasks

- Application of Iterative Waterfall Model
 1. When requirements are clear and fixed
 2. Product Definition is Stable & Technology is understood
 3. When project is short

- Why Iterative Waterfall Model??

The Incremental Model is an evolution of the waterfall model, where the waterfall model incrementally applied. The Incremental Process Model combines elements of the linear sequential model (applied repetitively) with the iterative philosophy of prototyping.

2.3 Requirement Analysis

Hardware Requirements

- Operating System : 32 bit / 64 bit
- RAM : 512 MB or More
- Processor : any x86 CPU

Software Requirements

- Front End Tool : Notepad++, Visual Studio Code, Chrome, Edge, Mozilla FireFox
- Back End Tool : PhpMyAdmin
- Development Tool : Notepad++, Visual Studio Code, XAMPP Server
- Supported Operating Systems: Any OS that can run Browsers like Mozilla Firefox, Edge, Chrome

2.4 System Requirement Specification

REQUIREMENT SPECIFICATION OF USER 1: ADMIN

- R1: Login
- R2: Manage CPU
- R3: Manage GPU
- R4: Manage News
- R5: Manage Feedback
- R6: Manage Users

REQUIREMENT SPECIFICATION OF USER 2: Client

- R1: Login
- R2: Register
- R3: Give Feedback
- R4: View CPU
- R5: View GPU
- R6: View News

SYSTEM REQUIREMENT SPECIFICATION FOR ADMIN

R1: Login

Description: This page will authenticate the admin user.

State: The beginning page for the admin panel. Here the Username and Password is requested.

Input: Username and Password are the Input.

Output: The result of authentication process.

Process: The user's input will be matched in the database and then admin field will be checked to see if the user is admin or not.

R2: Manage CPU

Description: Using these pages, the admin can manage the CPUs listed in the website.

State: Is the admin is logged in, then the admin can insert or update or delete a CPU.

Input: Insert or Delete or Update of the CPU

Output: The modified records.

Process: Depending on the selection of the user, the records will be altered or inserted.

R3: Manage GPU

Description: Using these pages, the admin can manage the GPUs listed in the website.

State: Is the admin is logged in, then the admin can insert or update or delete a GPU.

Input: Insert or Delete or Update of the GPU

Output: The modified records.

Process: Depending on the selection of the user, the records will be altered or inserted.

R4: Manage News

Description: Using these pages, the admin can manage the News listed in the website.

State: Is the admin is logged in, then the admin can insert or update or delete a News.

Input: Insert or Delete or Update of the News

Output: The modified records.

Process: Depending on the selection of the user, the records will be altered or inserted.

R5: Manage Feedback

Description: Using this page, the admin can manage the Feedbacks given by the registered users.

State: Is the admin is logged in, then the admin can view and delete the feedbacks.

Input: Delete a Feedback record

Output: The modified records.

Process: Depending on the selection of the user, the records will be deleted.

R6: Manage Users

Description: Using this page, the admin can manage the Users.

State: Is the admin is logged in, then the admin can view and delete.

Input: Delete a User or make it admin

Output: The modified records.

Process: Depending on the selection of the user, the records will be altered or deleted.

SYSTEM REQUIREMENT SPECIFICATION FOR CLIENT

R1: Login

Description: This page will authenticate the user.

State: This page is used when someone wants to give feedbacks. Here the Username and Password is requested.

Input: Username and Password are the Input.

Output: The result of authentication process.

Process: The user's input will be matched in the database to authenticate the user.

R2: Register

Description: This page will register a new user.

State: This page contains various fields for a user to fill up to register themselves with the website.

Input: First Name, Last Name, Username, Password, Confirm Password, Mobile Number, E-mail and Date of Birth.

Output: The login page.

Process: The inputs will be inserted to the database if there is no identical username.

R3: Give Feedback

Description: This page will allow the registered User to leave a feedback.

State: This page is only accessible to the registered users. This is the last module, but can also be accessed first.

Input: The feedback of the user.

Output: Telling the user that the feedback was noted,

Process: The user's feedback is only taken; the name and the email and others are fetched from the logged in user.

R4: View CPUs

Description: These pages will showcase the CPUs.

State: These pages are accessible without logging in.

Input: Nothing

Output: CPU lists.

Process: The CPUs are retrieved from the database and displayed

R5: View GPUs

Description: These pages will showcase the GPUs.

State: These pages are accessible without logging in.

Input: Nothing

Output: GPU lists.

Process: The GPUs are retrieved from the database and displayed

R6: View News

Description: These pages will showcase the News.

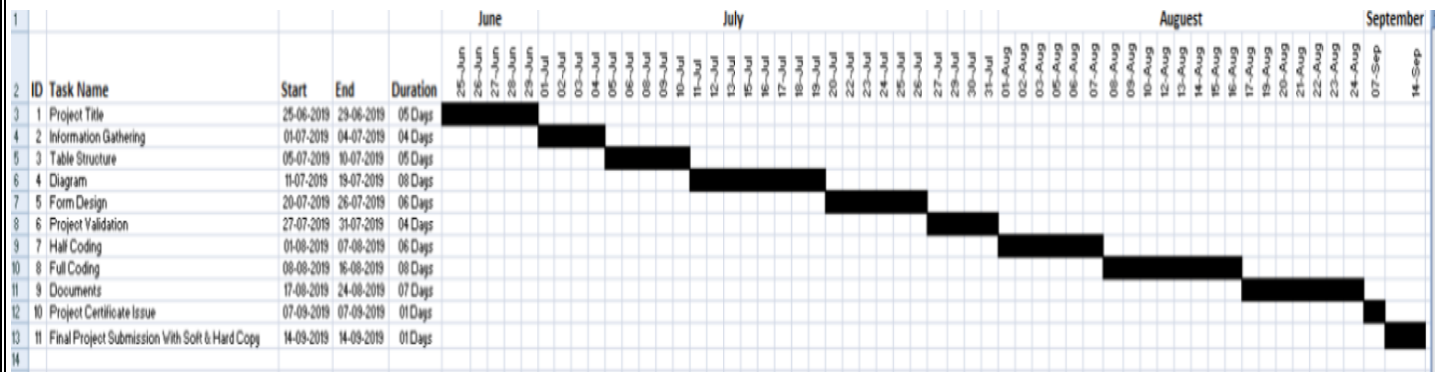
State: These pages are accessible without logging in.

Input: Nothing

Output: News list.

Process: The News are retrieved from the database and displayed

2.5 Grant Chart



CHAPTER NO: 3

SYSTEM DESIGN

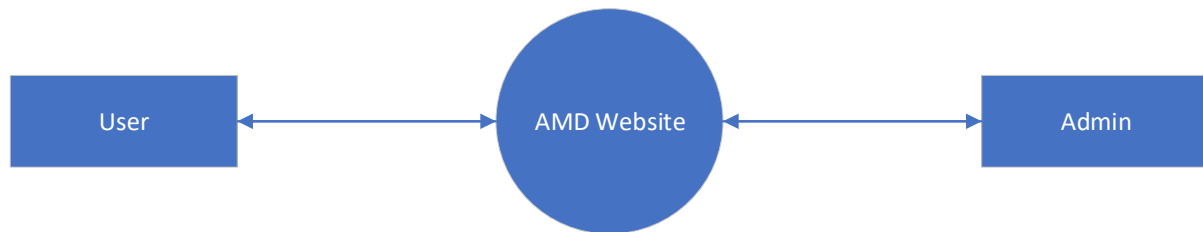
3.1 Data Flow Diagram

3.2 E-R Diagram

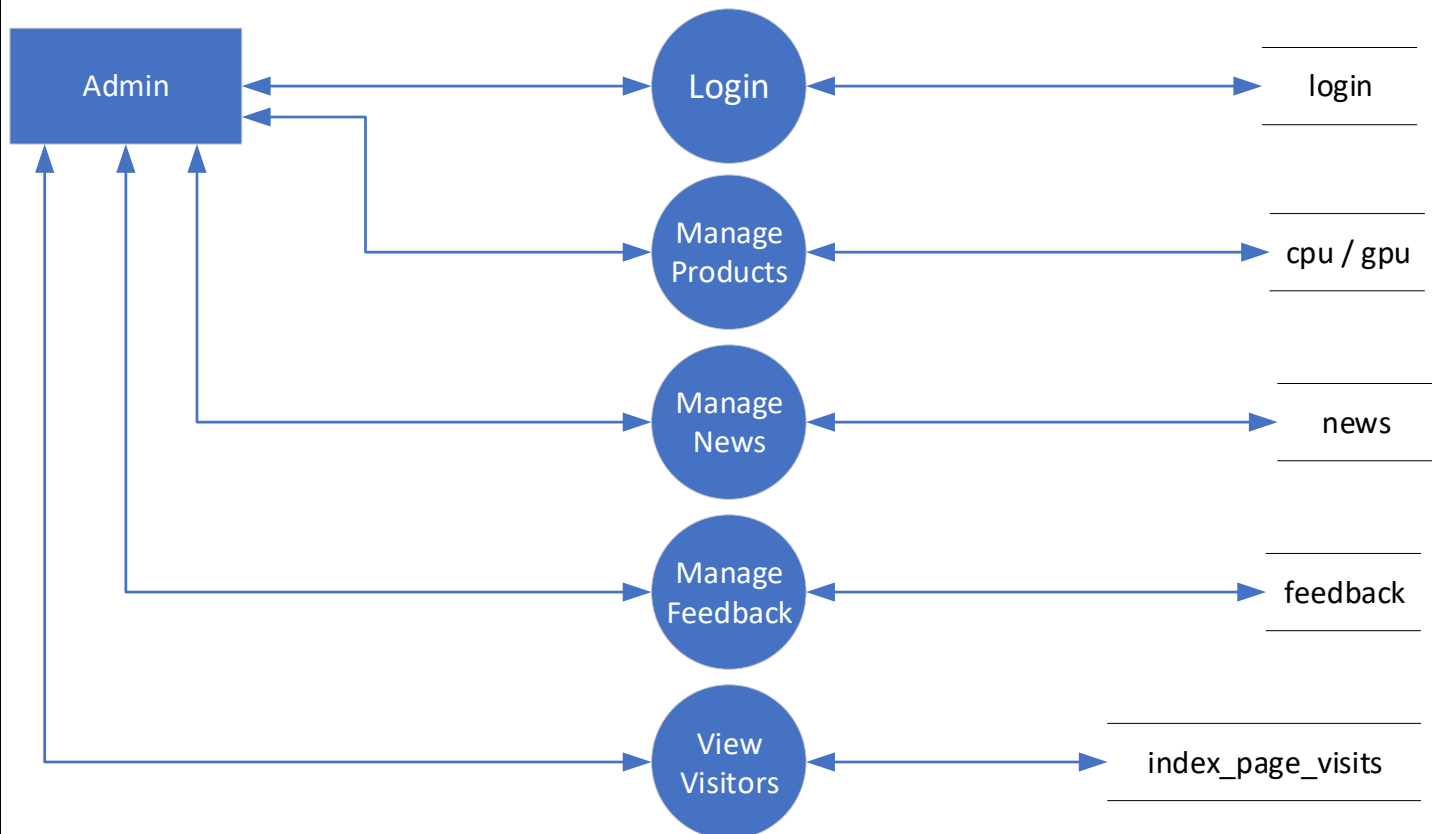
3.3 Use Case Diagram

3.1 DFD (Data Flow Diagram)

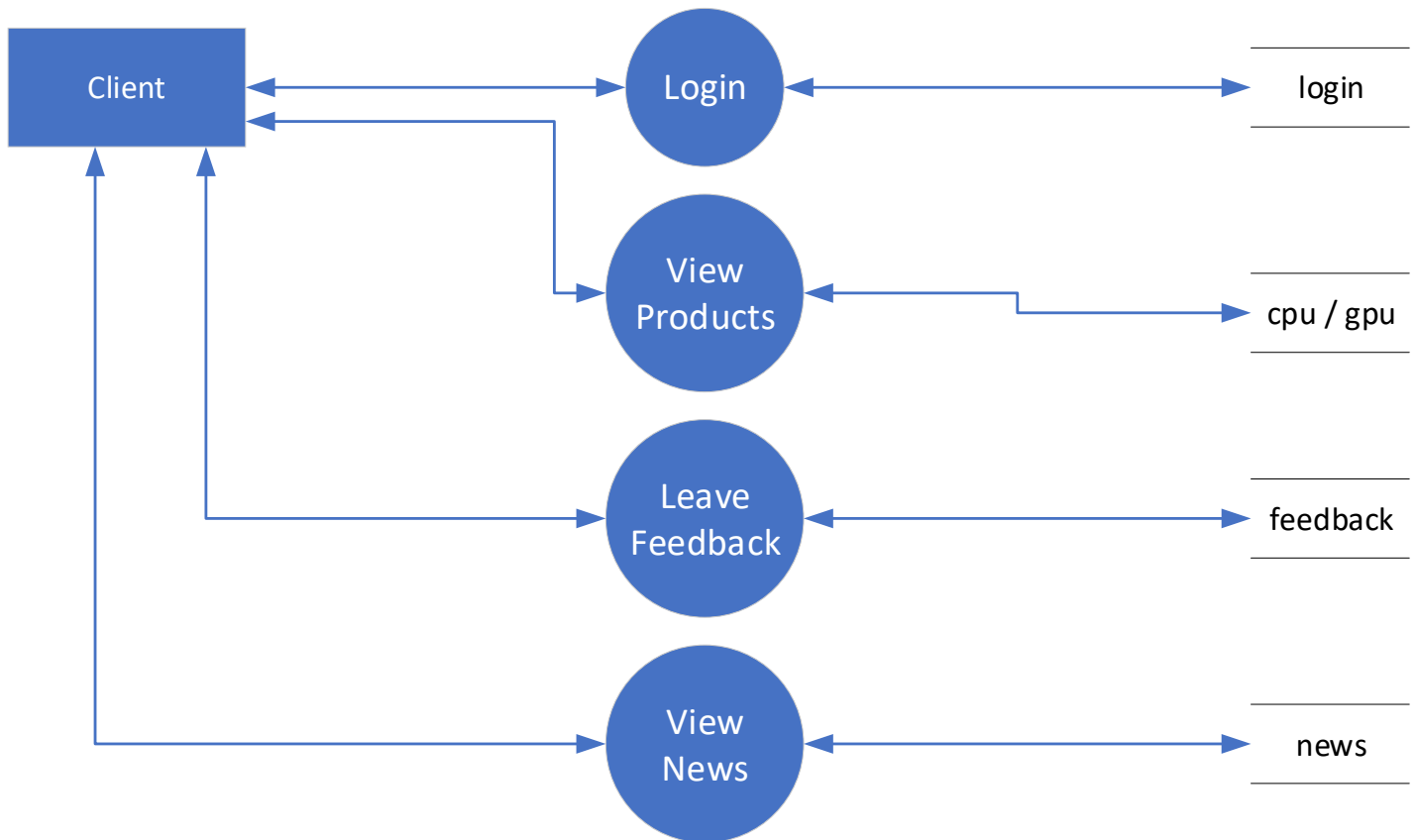
- DFD Level 0 (Context Level)



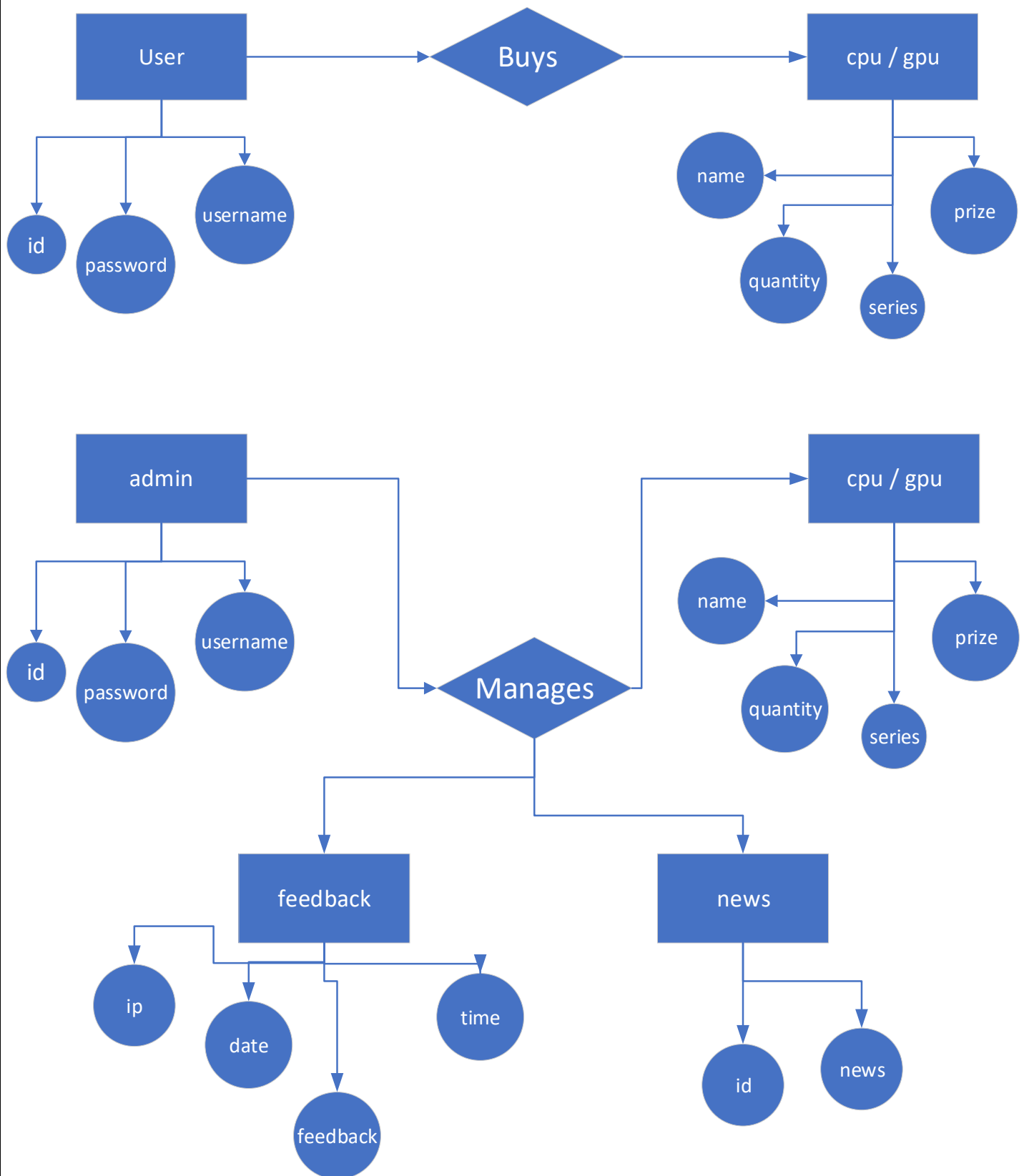
- DFD Level 1 (For Admin)



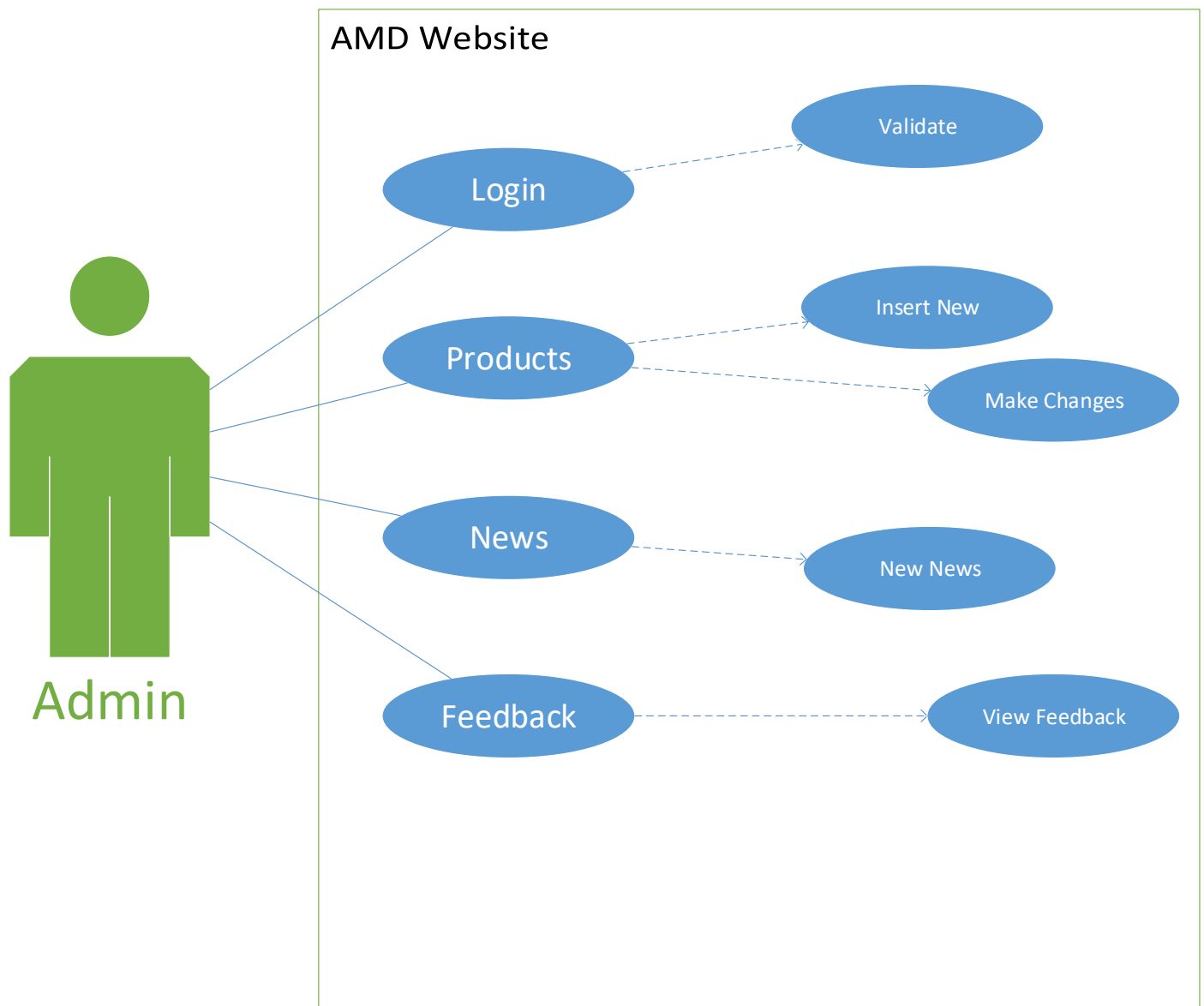
- DFD Level 1 (For Client)

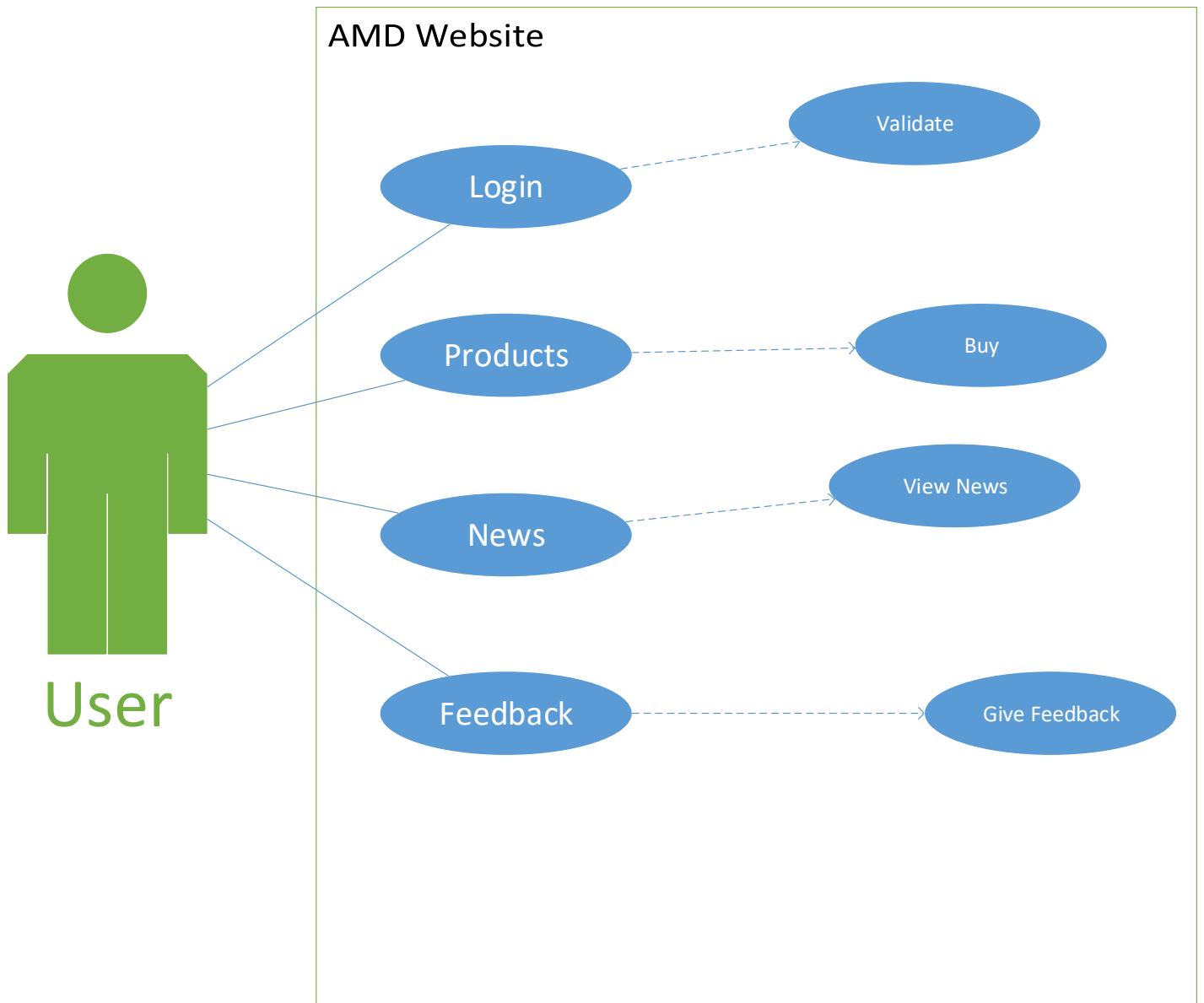


3.2 ER Diagram (Entity Relationship)



3.3 ER Diagram (Entity Relationship)





CHAPTER NO: 4

DATA DICTIONARY

4.1 Data Dictionary

4.2 Data Dictionary

Table Name – “cpu”

Field Name	Type/Size	Description
no	int/11	Identification Number
series	varchar/20	This contains the series name of the CPU (eg- Ryzen 5, Ryzen 7)
name	varchar/50	Contains the name of the CPU (eg- 2700, 2700X)
cores_threads	varchar/10	Contains the number of cores and threads of the CPU.
stock_freq	varchar/11	Shows the stock speed of the CPU.
boost_freq	varchar/11	Shows the boost speed of the CPU
transistor_size	varchar/11	Sows the size of the transistor in nanometer (eg- 7nm)
total_cache	varchar/11	Shows the total cache memory of the CPU
l1	varchar/11	Amount of Level 1 Cache
l2	varchar/11	Amount of Level 2 Cache
l3	varchar/11	Amount of Level 3 Cache
cooler	varchar/40	Names the included cooler
TDP	varchar/11	Show the Boost Clock TDP
prize	int/11	Launch Prize

Field Name	Type/Size	Description
discount	int/11	Discounts when needed
url	varchar/10000	URL of the amazon.in search result
type	varchar/10	Shows if the Product is a server grade or for gamers
img	varchar/10000	This field contains the url of the image of the cpu

Description:- This table is used to store the details of the CPUs.

Table Name – “gpu”

Field Name	Type/Size	Description
no	int/11	Identification Number
series	varchar/50	This contains the series name of the GPU (eg- Radeon, Navi)
name	varchar/50	Contains the name of the GPU (eg- RX580, RX 560)
compute_units	varchar/11	Contains the number of Compute Units
stream_processors	varchar/11	Contains the number of Stream Processors
texture_units	varchar/11	Contains the number of Texture Units
stock_freq	varchar/20	Shows the stock speed of the GPU

Field Name	Type/Size	Description
boost_freq	varchar/20	Shows the boost speed of the GPU
game_freq	varchar/20	Show the Special Gaming Clock Speed
transistor_size	varchar/11	Sows the size of the transistor in nanometer (eg- 7nm)
transistor_count	varchar/20	Shows the number of Transistors
output	varchar/200	Show the Output Ports of the GPU
memory_type	varchar/10	Shows the Memory Type
VRAM	varchar/10	Shows the amount of the Video RAM
prize	int/11	Launch Prize
discount	int/11	Discounts when needed
url	varchar/10000	URL of the amazon.in search result
type	varchar/10	Shows if the Product is a server grade or for gamers
img	varchar/10000	This field contains the url of the image of the gpu

Description:- This table is used to store the details of the GPUs.

Table Name – “feedback”

Field Name	Type/Size	Description
no	int/11	Identification Number
name	varchar/100	Name of the User

Field Name	Type/Size	Description
email	varchar/200	Email of the User
phone	int/10	Phone Number
date	varchar/100	Date of time post
time	varchar/100	Time of the post
ip	varchar/200	IP of the User leaving the post
feedback	varchar/10000	Feedback of the User

Description:- This table is used to store the feedbacks.

Table Name – “index_page_visits”

Field Name	Type/Size	Description
sr	int/11	Identification Number
ip	varchar/255	IP of the visitor
time	varchar/100	Time of the visit
date	varchar/100	Date of the visit

Description:- This table is used to store the IP address, date and time of the clients visiting the index.php page.

Table Name – “login”

Field Name	Type/Size	Description
no	int/11	Identification Number
first_name	varchar/100	First Name
last_name	varchar/100	Last Name
username	varchar/30	Username
password	varchar/30	Password
admin	tinyint/1	To check if the user is admin or not
mobile_number	varchar/100	Mobile Number
email	varchar/255	Email
dob	varchar/100	Date of Birth

Description:- This table is used to store the details of Users.

Table Name – “news”

Field Name	Type/Size	Description
id	int/11	Identification Number
name	varchar/20	Name of the User who posted
about	varchar/100	About what the news is
content	varchar/10000	The actual news
date	varchar/100	Date of the Post
time	varchar/50	Time of the Post
ip	varchar/255	IP of the User who posted

Description:- This table is used to store the posts of the admin.

CHAPTER NO: 5

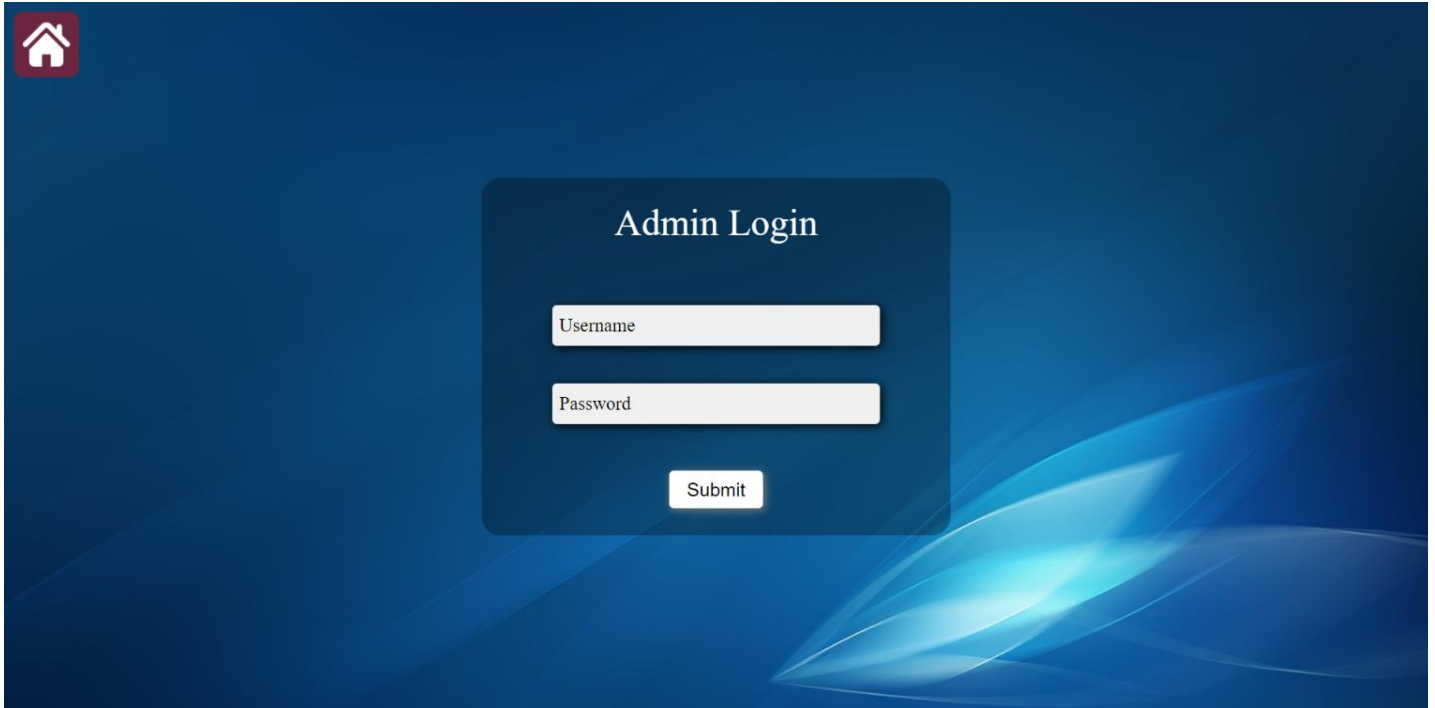
INPUT AND OUTPUT DESIGN

5.1 Admin Layout

5.2 Client Layout

5.1 Admin Layout

1. Admin Login



The Admin Login form is centered on a dark blue background with a subtle wave pattern. It features a dark blue rounded rectangle containing the title 'Admin Login' in white. Below the title are two white input fields for 'Username' and 'Password', followed by a white 'Submit' button.

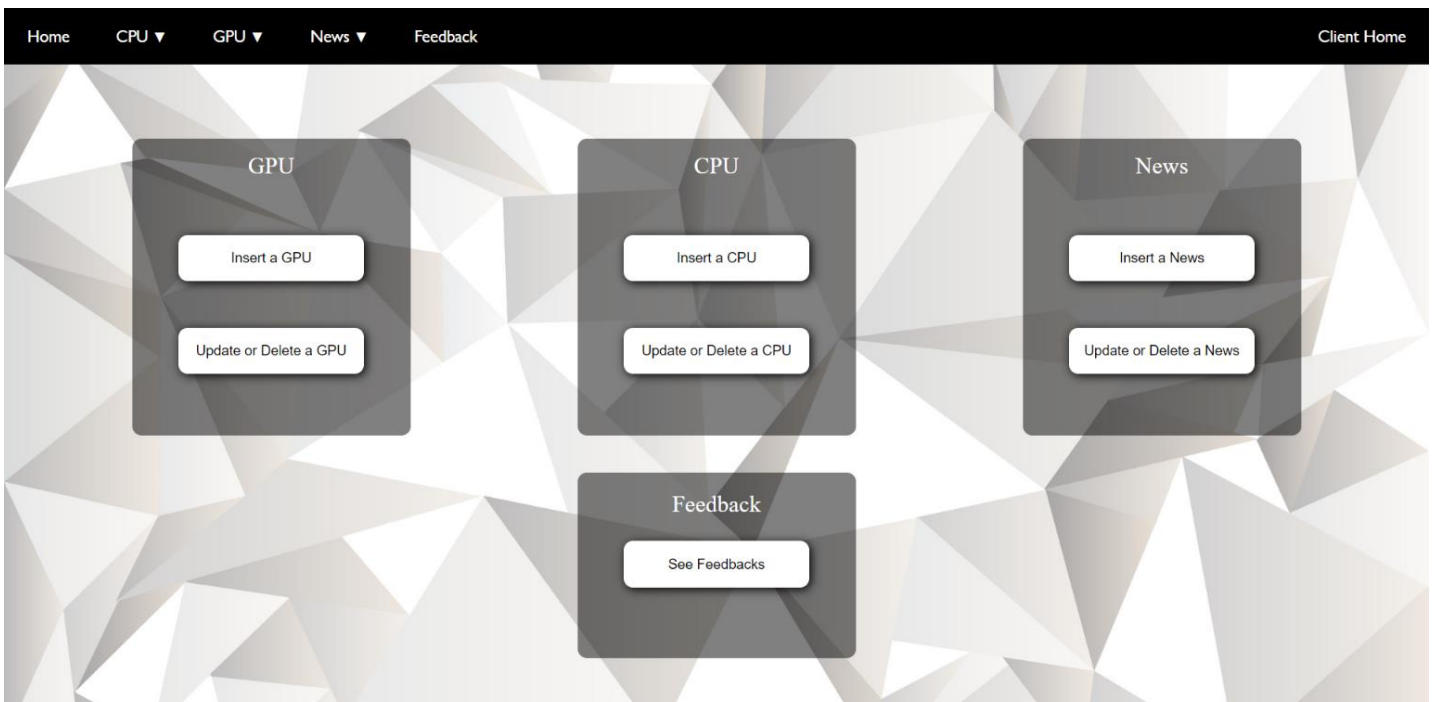
Admin Login

Username

Password

Submit

2. Admin Index Page



The Admin Index page has a black navigation bar at the top with links: Home, CPU, GPU, News, Feedback, and Client Home. The main content area has a light gray geometric pattern background. It contains four dark gray rounded rectangles. The first three are for GPU, CPU, and News, each with 'Insert' and 'Update or Delete' buttons. The fourth is for Feedback with a 'See Feedbacks' button.

Home CPU GPU News Feedback Client Home

GPU

Insert a GPU

Update or Delete a GPU

CPU

Insert a CPU

Update or Delete a CPU

News

Insert a News

Update or Delete a News

Feedback

See Feedbacks

3. GPU Insert

Home
CPU ▼
GPU ▼
News ▼
Feedback
Client Home

Insert a New GPU

Series
 Name

Compute Units
 Stream Processors
 Texture Units

Stock Frequency
 Boost Frequency
 Game Frequency




Transistor Size
 Transistor Count
 Memory Type
 VRAM

Output Ports
 Prize
 No file chosen

☐ Server Grade
☐ Consumer Grade

4. Update/Delete a GPU

Home
CPU ▼
GPU ▼
News ▼
Feedbacks
Users
Client Home
Welcome, sreya

ID	Series	Name	Compute Units	Stream Processors	Texture Units	Stock Speed	Boost Speed	Game Speed	Transistor Size	Transistor Count	Output Ports	Memory Type	VRAM	Prize	Discount	Amazon URL	Type	Image
1	Radeon	RX 5700 XT	40	2560	160	1605 MHz	1905 MHz	1755 MHz	7 nm	10.3 Billion	Display Port 1.4 with DSC, HDMI 4K 60FPS	GDDR6	8 GB	40,000	0	Amazon Link	consumer	
2	Radeon	RX 5700	36	2304	144	1465 MHz	1725 MHz	1625 MHz	7 nm	10.3 Billion	Display Port 1.4 with DSC, HDMI 4K 60FPS	GDDR6	8 GB	32,000	0	Amazon Link	consumer	
3	Vega	56	56	3584	256	1156 MHz	1471 MHz	-	-	12.5 Billion	Display Port 1.4, HDMI 4K 60FPS	HBM 2	8 GB	22,000	0	Amazon Link	consumer	

Enter the ID

5. CPU Insert

[Home](#)
[CPU](#)
[GPU](#)
[News](#)
[Feedbacks](#)
[Users](#)
[Client Home](#)
Welcome, sreya

Insert a New CPU

Series
 Name

Cores/Threads
 Stock Frequency
 Boost Frequency

Transistor Size
 Total Cache

L1 Cache
 L2 Cache
 L3 Cache
 TDP

Included Thermal Solution
 Prize

Buy From URL
 ☐ Server Grade
 ☐ Consumer Grade
 No file chosen

6. Update/Delete a CPU

Home

CPU ▾

GPU ▾

News ▾



Feedbacks

Users

Client Home

Welcome, sreyas

CPU Details

ID	Series	Name	Core / Thread	Stock Speed	Boost Speed	Transistor Size	Total Cache	L1 Cache	L2 Cache	L3 Cache	Cooler	TDP	Prize	Discount	URL	Type	Image
1	Ryzen 9	3900X	12/24	3.8 GHz	4.6 GHz	7 nm	64 KB	64 KB	6 MB	64 MB	Wraith Prism RGB	105	45,000	0	Amazon Link	server	
2	Ryzen 9	3950X	16/32	3.5 GHz	4.7 GHz	7 nm	-	-	8 MB	64 MB	Wraith Prism RGB	105	53,000	0	Amazon Link	consumer	

Enter the ID

7. News Insert

Home
CPU ▼
GPU ▼
News ▼
Feedbacks
Users
Client Home
Welcome, sreya

New News

Full Name

About

News Content

Submit →

8. Update/Delete News

Home
CPU ▼
GPU ▼
News ▼
Feedbacks
Users
Client Home
Welcome, sreya


News Details

id	Uploader	Topic	Content	Date	Time	IP
5	Sreyas CV	SAD	Intel is trying to hold onto its standing as the processor (CPU) champion after the launch of AMD's Ryzen 3000-series processors, and the company's latest attempt comes in the form of benchmarks comparing the Intel Core i7-9700K to the Ryzen 9 3900X, MSPowerUser reports.	13 - August - 2019	4:34:31 PM	::1
6	pass23	pass2	pass2	14 - August - 2019	8:58:33 PM	::1
8	sreyas	asc	sDDAFSFAFD	19 - August - 2019	11:36:41 AM	::1
9	sreyas	cpu	adjfinsdaljn	20 - August - 2019	9:22:09 AM	::1





Edit

Delete

9. View/Delete Feedbacks

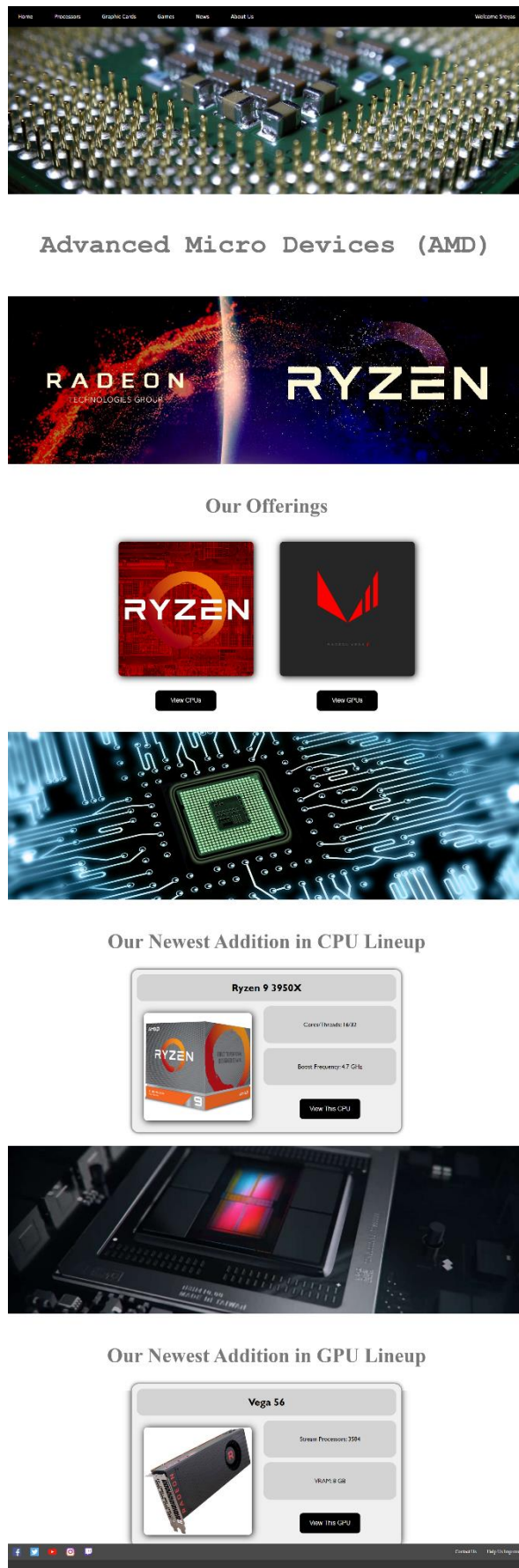
Home	CPU ▼	GPU ▼	News ▼	Feedbacks	Users			Client Home	Welcome, sreyas
Feedbacks									
ID	Username	E-mail	Phone	Date	Time	IP	Feedback	Reply	Delete
13	Sreyas CV	sreyas@gmail.com	1234567890	22 - August - 2019	0:34:47 PM	::1	fdg	Reply to Sreyas CV	
14	Sreyas CV	sreyas@gmail.com	1234567890	22 - August - 2019	0:35:51 PM	::1	sadasdsa	Reply to Sreyas CV	
15	Sreyas CV	sreyas@gmail.com	1234567890	22 - August - 2019	0:37:18 PM	::1	as12312312	Reply to Sreyas CV	
17	Sreyas CV	sreyas@gmail.com	1234567890	22 - August - 2019	0:59:17 PM	::1	sd	Reply to Sreyas CV	
18	Sreyas CV	sreyas@gmail.com	1234567890	22 - August - 2019	1:07:56 PM	::1	sadd	Reply to Sreyas CV	
19	Sreyas CV	sreyas@gmail.com	1234567890	22 - August - 2019	1:20:42 PM	::1	sfs	Reply to Sreyas CV	
22	Sreyas CV	sreyas@gmail.com	1234567890	16 - September - 2019	3:36:26 AM	::1	sklad	Reply to Sreyas CV	

10. Manage Users

Home CPU ▼ GPU ▼ News ▼ Feedbacks Users Client Home Welcome, sreyas									
Users									
ID	First Name	Last Name	Username	Password	Mobile Number	E-mail	Date of Birth	Admin	Delete
1	Sreyas	CV	sreyas	12	1234567890	sreyas@gmail.com	13-June-2019		
8	q	q	q	q	q	q	2019-09-02		

5.2 Client Layout

1. Home Page



2. Processors Page

The screenshot displays the AMD Processors website. At the top, a navigation bar includes links for Home, Processors, Graphic Cards, Games, News, and About Us, along with a 'Welcome Sreyas' message. The main header features a large image of an AMD Ryzen processor with the text 'Pushing the Boundaries' and 'AMD RYZEN 3000 SERIES'. Below this, a video player shows '3rd Gen AMD Ryzen™ Technology'. The page is divided into two columns. The left column highlights 'AMD SOCKET AM4 X570' with the text 'New Motherboards. Exclusive Technologies.' and 'AMD X570 motherboards with PCIe 4.0 give gamers more flexibility and more control than ever.' The right column features the 'ZEN 2' logo with the text '7nm "Zen 2" Architecture' and 'Improved energy efficiency, higher clock speeds and more cores than ever before.' Below these, three video players are shown, each with a title and description: 'AMD GameCache' (More Memory On-Chip to Accelerate Gaming), 'Precision Boost 2' (Boost performance when you need it), and 'One Click Overclocking' (Making Precision Boost 2 even better). The bottom section showcases the 'The Premium AMD Wraith Prism Cooler, Now with More Processors.' with images of Wraith PRISM, MAX, SPIRE (with RGB LED), SPIRE, and STEALTH coolers. The text states: 'Every boxed 3rd Gen AMD Ryzen 7 and Ryzen 9 processor now includes the top-of-the-line AMD Wraith Prism, featuring full RGB color-controlled illumination.' At the very bottom, two boxes represent 'Server Grade' (EPYC) and 'Consumer Grade' (RYZEN) processors, each with a brief description of their capabilities. Social media icons and 'Contact Us' and 'Help Us Improve' links are at the bottom right.

Home Processors Graphic Cards Games News About Us Welcome Sreyas

Pushing the Boundaries
AMD RYZEN 3000 SERIES

3rd Gen AMD Ryzen™ Technology

AMD SOCKET AM4 X570
New Motherboards. Exclusive Technologies.
AMD X570 motherboards with PCIe 4.0 give gamers more flexibility and more control than ever.

ZEN 2
7nm "Zen 2" Architecture
Improved energy efficiency, higher clock speeds and more cores than ever before.

AMD GameCache
More Memory On-Chip to Accelerate Gaming
Up to twice the cache of previous generations, GameCache is designed to reduce memory latency for higher frame rates in top titles.

Precision Boost 2
Boost performance when you need it
Precision Boost 2 automatically raises processor frequencies for supercharged performance when you need it most.

One Click Overclocking
Making Precision Boost 2 even better
Precision Boost Overdrive uses your motherboard's robust design to boost clock speeds higher and longer, and lets you overclock at the touch of a button.

Wraith PRISM
Wraith MAX
Wraith SPIRE (with RGB LED)
Wraith SPIRE
Wraith STEALTH

The Premium AMD Wraith Prism Cooler, Now with More Processors.
Every boxed 3rd Gen AMD Ryzen 7 and Ryzen 9 processor now includes the top-of-the-line AMD Wraith Prism, featuring full RGB color-controlled illumination.


EPYC
AMD
Server Grade
With our Server Grade Hardware, you can setup any type of server that can handle any amount of your clients.

RYZEN
Consumer Grade
With our Processors, you can game and also stream and do much more.

Contact Us Help Us Improve

3. Consumer/Server Grade CPU Page

[Home](#) [Processors](#) [Graphic Cards](#) [Games](#) [News](#) [About Us](#) Welcome Sreyas




Ryzen 9 3950X

Cores / Threads: 16/32	Stock Frequency: 3.5 GHz
Boost Frequency: 4.7 GHz	TDP: 105 Watts
Price: ₹53,000	View this CPU

[f](#) [t](#) [y](#) [i](#) [u](#) [Contact Us](#) [Help Us Improve](#)

4. Detailed CPU Display Page

[Home](#) [Processors](#) [Graphic Cards](#) [Games](#) [News](#) [About Us](#) Welcome Sreyas



Ryzen 9 3950X

Cores/Threads: 16/32	Stock Clock: 3.5 GHz	Boost Clock: 4.7 GHz
CPU Type: Consumer	TDP: 105 Watts	Total Cache: -
L1 Cache: -	L2 Cache: 8 MB	L3 Cache: 64 MB
Price: ₹53,000	Included Cooler: Wraith Prism RGB	

[Buy Now](#)

[f](#) [t](#) [y](#) [i](#) [u](#) [Contact Us](#) [Help Us Improve](#)

5. Graphic Card Page

Bend the Rules
AMD
RADEON
5700 SERIES

Intelligent Sharpening Technology
Radeon Image Sharpening works by analyzing each frame and applying a GPU algorithm to detect only looking sharp with no quality or performance impact.

Stunning Visual Fidelity
FidelityFX is a collection of intelligent post-processing effects that enhance only what you see, without affecting your FPS. It's like having a post-processor that's not a post-processor.

No Stuttering. No Tearing. Just Gaming.
Radeon FreeSync and FreeSync 2 HDR take full advantage of Radeon RX 5700 XT's variable refresh rate, allowing you to play at 100% FPS and 100% VRR, with no stuttering or tearing.

Extreme Refresh Rates For Extreme Resolutions
With Radeon FreeSync 2 HDR, you can play at 100% FPS and 100% VRR, with no stuttering or tearing.

Customizable Gaming Experience
Take your gaming experience to the next level with Radeon Software Adrenalin Edition 2019 Edition.

More Performance, Less Power.
Radeon RX 5700 XT delivers more performance while maintaining low power consumption.

AMD MEDIA ENGINE 4K RESOLUTION ENCODER
VPS
1080p
720p
480p

The New Gaming DNA
Radeon RX 5700 XT features a new architecture that delivers 100% more performance per watt than the previous generation.

GDDR6 Memory for Advanced Gaming
Radeon RX 5700 XT features 16GB of GDDR6 memory, providing high bandwidth and low power consumption.


Armed with More Bandwidth
Radeon RX 5700 XT features 100% more bandwidth than the previous generation.

RADEON INSTINCT
Radeon Server Solutions


**AMD
RADEON**
Radeon Graphics

6. Consumer/Server Grade GPU Page


[Home](#) [Processors](#) [Graphic Cards](#) [Games](#) [News](#) [About Us](#) Welcome Sreyas



Radeon RX 5700 XT	
Stock Frequency: 1605 MHz	Boost Frequency: 1905 MHz
Memory Type: GDDR6	VRAM: 8 GB
Price: ₹40,000	View this GPU



Radeon RX 5700	
Stock Frequency: 1465 MHz	Boost Frequency: 1725 MHz
Memory Type: GDDR6	VRAM: 8 GB
Price: ₹32,000	View this GPU




Vega 56	
Stock Frequency: 1156 MHz	Boost Frequency: 1471 MHz
Memory Type: HBM 2	VRAM: 8 GB
Price: ₹22,000	View this GPU

[f](#) [t](#) [y](#) [i](#) [u](#) [Contact Us](#) [Help Us Improve](#)

7. Detailed CPU Display Page

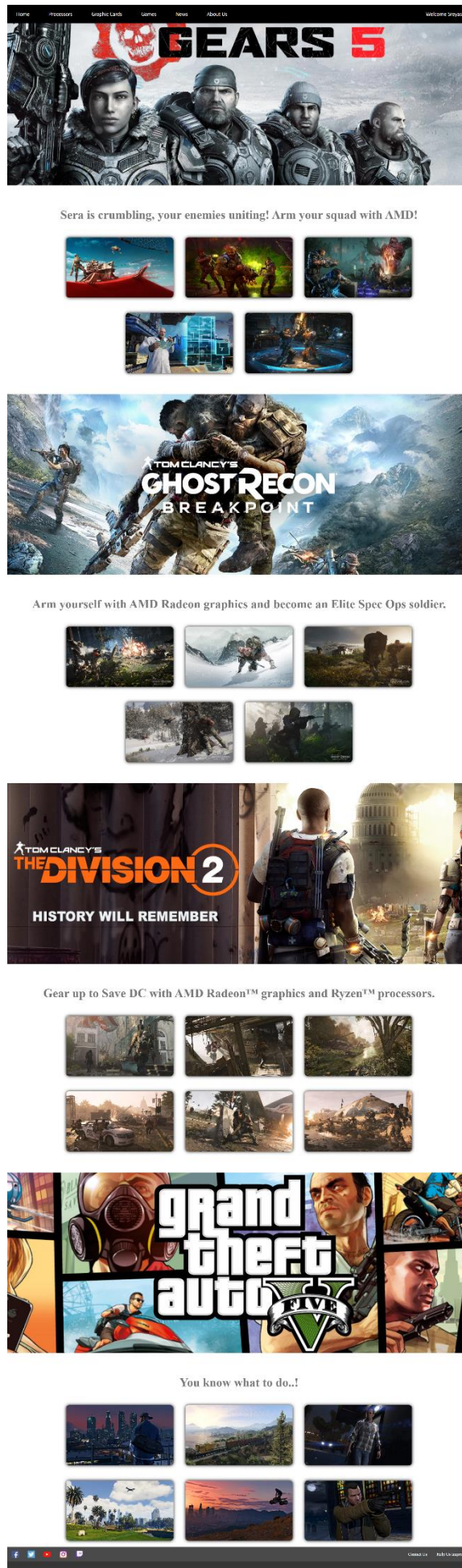
[Home](#) [Processors](#) [Graphic Cards](#) [Games](#) [News](#) [About Us](#) Welcome Sreyas



Radeon RX 5700		
Stock Clock: 1465 MHz	Boost Clock: 1725 MHz	Game Clock: 1625 MHz
Compute Units: 36	Stream Processors: 2304	Texture Units: 144
Transistor Size: 7 nm	Transistor Count: 10.3 Billion	VRAM: 8 GB
Memory Type: GDDR6		GPU Type: Consumer
Output Ports: Display Port 1.4 with DSC, HDMI 4K 60FPS		Price: ₹32,000
Buy Now		

[f](#) [t](#) [y](#) [i](#) [u](#) [Contact Us](#) [Help Us Improve](#)

8. Games Page



9. News Page

[Home](#)
[Processors](#)
[Graphic Cards](#)
[Games](#)
[News](#)
[About Us](#)

Welcome Sreyas

CPU

Posted By: Jack

Posted At: 4:45:18 AM

Posted On: 16 - September - 2019

Description: This functionality will be used for authentic access of Admin. State: This is the beginning point, an admin screen with username and Password will be displayed. Input: Input to the system would be password & username. Output: Output

SAD

Posted By: Sreyas CV

Posted At: 4:34:31 PM

Posted On: 13 - August - 2019

Intel is trying to hold onto its standing as the processor (CPU) champion after the launch of AMD's Ryzen 3000-series processors, and the company's latest attempt comes in the form of benchmarks comparing the Intel Core i7-9700K to the Ryzen 9 3900X, MSPowerUser reports.

[f](#)
[t](#)
[y](#)
[i](#)
[w](#)

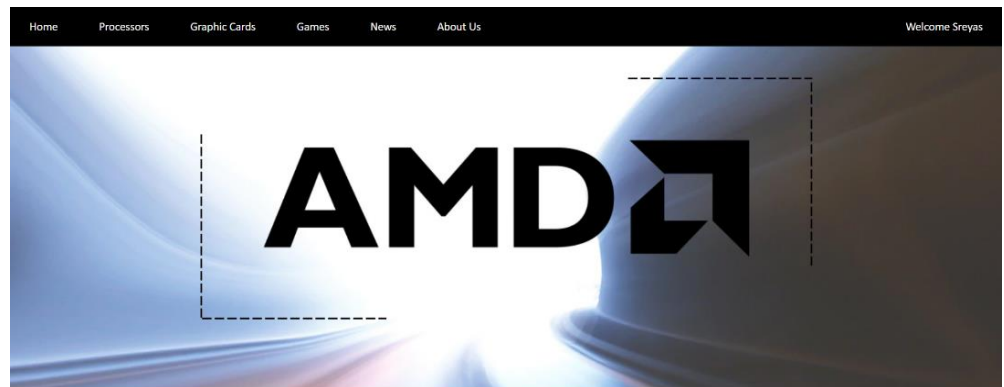
[Contact Us](#)
[Help Us Improve](#)

10. Login Page

Login

[No account? Register Now](#)

11. About Us



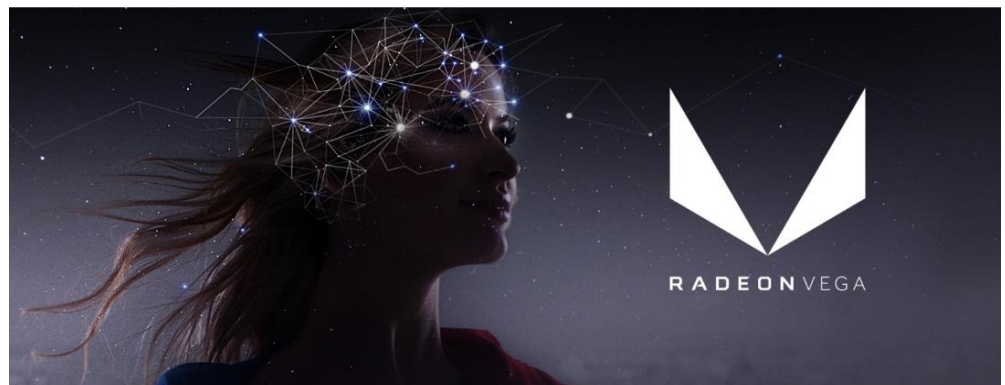
AMD

Founded in 1969 as a Silicon Valley start-up, the AMD journey began with dozens of employees focused on leading-edge semiconductor products. From those modest beginnings, AMD has grown into a global company of 10,000 people, achieving many important industry firsts along the way. AMD today develops high-performance computing and visualization products to solve some of the world's toughest and most interesting challenges. There has never been a better time to be in the semiconductor industry, and we are ready to tackle the next 50 years with high-performance computing and graphics solutions that transform all of our lives.



Ryzen

With our state of the art 7nm Processors, we plan to get computing to as many as people we can at an affordable rates. Our high performance CPUs can handle your day to day life works in a breeze and your heavy tasks, without breaking a sweat. All of our processors are Unlocked so that everyone can just Overclock without paying extra for an unlocked CPU. With our Precision Boost 2 Technology, you can get more power when needed, in a moment.

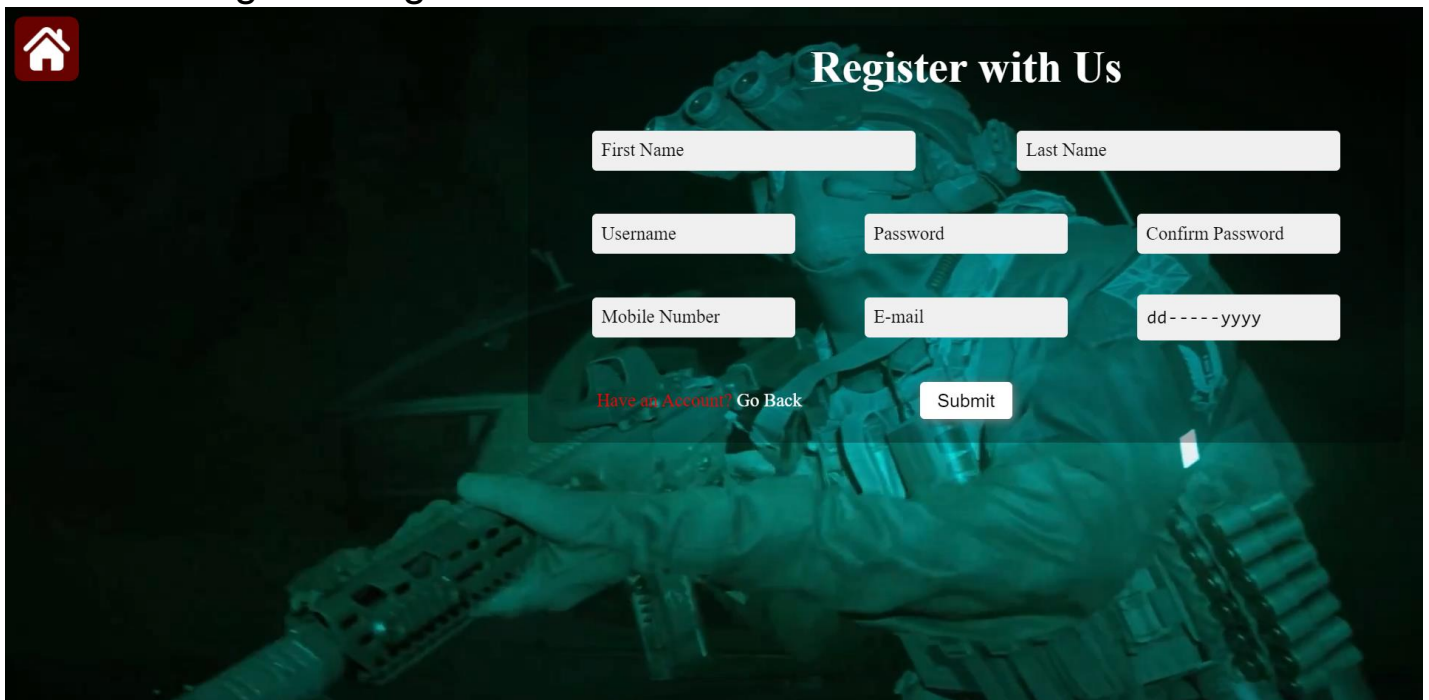



Radeon

With our Industry leading 7nm Graphic Cards, the Gamers and the Content Creators can get the most. With our high performance Graphic Cards, the Gamers can get the best visuals with the highest FPS in their games to give them the edge in the game. Let it be an e-sports title or an Open World title, our Graphic Cards can give you the highest details and FPS in your games.



12. Register Page

The image shows a registration form titled "Register with Us" overlaid on a background image of a person in tactical gear. The form includes input fields for First Name, Last Name, Username, Password, Confirm Password, Mobile Number, and E-mail. There is a "Submit" button and a link that says "Have an Account? Go Back".

 **Register with Us**

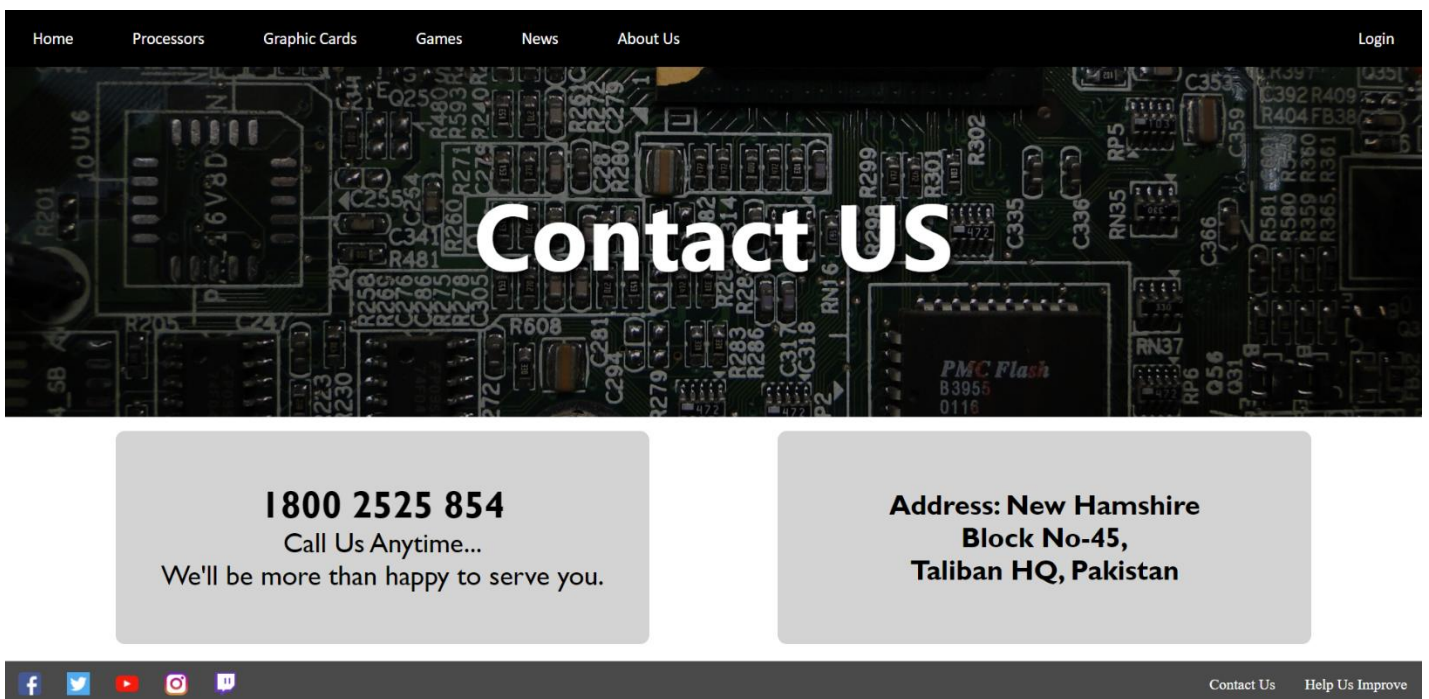
First Name Last Name

Username Password Confirm Password

Mobile Number E-mail dd-----yyyy

[Have an Account? Go Back](#)

13. Contact Us Page


The image shows a contact page with a background image of a circuit board. The page has a navigation bar with links: Home, Processors, Graphic Cards, Games, News, About Us, and a Login link. The main heading is "Contact Us". Below the heading are two boxes: one with the phone number 1800 2525 854 and a message, and another with the address: New Hampshire, Block No-45, Taliban HQ, Pakistan.

Home Processors Graphic Cards Games News About Us Login

Contact Us

1800 2525 854
Call Us Anytime...
We'll be more than happy to serve you.

**Address: New Hampshire
Block No-45,
Taliban HQ, Pakistan**

 [Contact Us](#) [Help Us Improve](#)

14. Feedback Page

[Home](#)[Processors](#)[Graphic Cards](#)[Games](#)[News](#)[About Us](#)[Welcome Sreyas](#)

Leave a Feedback for US

[Full Name](#)

[E-mail](#)

Feedback

[Contact Us](#)[Help Us Improve](#)

15. Account Details Page

A screenshot of a web application interface. At the top, a dark navigation bar contains links: Home, Processors, Graphic Cards, Games, News, About Us, and Welcome Sreyas. The main content area features a large blue header with the text 'Sreyas CV'. Below this, there are six blue rectangular boxes arranged in two rows of three. The first row contains 'User ID: 1', 'Username: sreyas', and 'Admin: YES'. The second row contains 'Mobile Number:1234567890', 'Email: sreyas@gmail.com', and 'Date of Birth: 13-June-2019'. At the bottom center, there is a black button with the text 'Log Out'. The entire interface is set against a light gray background.

CHAPTER NO: 6
LIMITATIONS AND FUTURE
ENHANCEMENTS

6.1 Limitations

6.2 Future Enhancements

6.1 Limitations

- No backup features.
- No Individual end pages for product category.
- Can't directly sell the products.
- Not tracking users like Google and Facebook does.
- No User specific functionalities.
- No ads in the website
- No email newsletters.

6.2 Future Enhancements

- Incorporate a redundant server for the data
- Include a different product display page for different generation of the products
- Sell the products here on the website
- Incorporate email newsletters

CHAPTER NO: 7

CONCLUSION

7.1 Advantages

7.2 Conclusion

7.1 Advantages

- User Friendly UI
- Easy Navigation
- Lists all products
- A way of advertisement
- Convenient for a user to view the website on their device
- Fast response of the server due to less complications in the software

7.2 Conclusion

This website is a perfect package for a semiconductor based company. Using this website, the company can showcase their products to the masses and attain more attention and potentially attract more customers. This website is convenient for the users to stay at the home or look up things on the go without visiting stores and waste time on travelling.

CHAPTER NO: 8

BIBLIOGRAPHY

8 Bibliography

PHP – for server side scripting

JavaScript – for client side scripting

jQuery – as an alternate for JavaScript

CSS – to style the website

CHAPTER NO: 9

REFERENCES

References

We are really thankful to our guider Mr. Zalak Thakrar to guide us and inspire us. We also Thankful to the whole staff of computer Department to gives us a huge support in our project.

Sites:

www.stackoverflow.com

www.codepen.io

www.w3schools.com

www.github.com

www.wikipedia.com