**Data Science Holdiay Homework  
website creation ~ Ishan Pal**

**# Interface Overview – Homepage of *Science & Facts***

### 🖼️ Hero Image & Background (index.html)

* The page opens with a **full-screen background** of a starry night sky above peaceful mountains.
* This natural and cosmic setting gives the website a feeling of **mystery and exploration**, which fits perfectly with science learning.

## 🧾 Welcome Message

* In the center, there’s a **friendly greeting**:
* This makes visitors feel personally invited and ready to start learning.

### 🔭 Get Started Button

* A large **“Get Started” button** is placed just below the message.
* Clicking it smoothly scrolls the user to the first content section, making the site feel interactive and well-organized. Leading to main.html

**# Website Section Overview: Main Page**

Introduction (main.html)

The **Main Page** of the Science & Facts website is a full-length scrollable section packed with exciting and educational content. It combines science updates, discoveries, history, and technical tips—all arranged in a clean and modern layout. The design makes it fun and easy for users to explore science topics, learn new facts, and stay curious.

### 🧾 1. **Welcome Message**

Right at the top, users are greeted with a short introduction that explains the website's purpose:

“Welcome to the ultimate hub combining groundbreaking discoveries, fascinating facts, and historical narratives—all in one immersive experience.”

It instantly gives visitors a sense that this site is a place to **learn and explore**.

### 🧪 2. **Latest Facts**

This section shows **three science facts** in colorful, card-like blocks:

* **HIV Prevention Breakthrough**
* **Climate Change Milestone**
* **Advancements in Artificial Intelligence**

Each fact has a title, a few lines of information, and a “Read More” button so visitors can dive deeper. These cards are clean, bold, and neatly spaced for a pleasant reading experience.

### 🔭 3. **Latest Discoveries**

Here, the site highlights **major modern science breakthroughs**:

* Brain mapping in fruit flies
* NASA's Super-Earth discovery
* Progress in Quantum Computing

These topics are presented using the same bright card layout, making the section feel connected and easy to scroll through.

### 🏺 4. **Historical Narratives & Insights**

This part brings **history and science together**. It features:

* **Aayi Mandapam**: A cultural monument with a story.
* **Technology in Ancient Civilizations**: Covers old engineering tricks, medical knowledge, and communication systems.

This section uses larger blocks of text with clear subheadings, making it informative like a digital textbook—but still easy to read.

### ⚙️ 5. **GitHub Pages Tips**

A special section for fellow developers! This area includes:

* Help with fixing common GitHub publishing issues
* Advice on using animations, layout tools, and other advanced design features

It’s like a mini guide for others who want to build websites too.

### 📬 6. **Contact Form**

At the bottom, there’s a clean and simple form where visitors can:

* Enter their name and email
* Send a message or feedback

The contact box is neatly placed and easy to fill out, giving the site a professional and welcoming finish.

## 🎨 Interface Style & Design

| **Element** | **Description** |
| --- | --- |
| **Layout** | One-page scroll with large sections, smooth flow between topics |
| **Design Theme** | Blue and purple colors, clean cards, and bold headings |
| **Text & Fonts** | Clear, readable fonts with balanced space between paragraphs |
| **Navigation** | Sticky header lets users jump between sections with ease |

**# Quiz And Games – (Quiz.html)**

## 🔎 What This Page Is About

This page lets users **test their science knowledge** and also have some fun with a **mini game**.

It’s like a small science classroom and game arcade in one place!

## 🧠 What You’ll Find On This Page

### 1. **Quiz Question**

* A science question is shown: “What is the chemical symbol for water?”
* Below it, there are **four answer options** to choose from.
* After picking an answer, the user clicks the **“Submit Answer”** button to see if it's right.

### 2. **Atom Catch Game** 🎮

* A mini game where **atoms fall from the top of the screen**, and you must **move the beaker left or right** using your **arrow keys**.
* Every time you catch an atom, your **score goes up**.
* If you **miss one**, the game ends and the score resets.
* A **“Restart Atom Game”** button lets you try again!

## 🎨 How It Looks

The page has a **clean and simple design**. The quiz and game are placed one after the other, centered on the screen. The quiz uses white space and bold labels, while the game is on a **black canvas background** with colorful falling atoms and a white beaker. Text is easy to read and buttons are large enough to click comfortably.

## 💻 What It’s Made Of

| **Language** | **What It Does** |
| --- | --- |
| **HTML** | Builds the structure (quiz form and game) |
| **CSS** | Adds style to buttons, layout, and fonts |
| **JavaScript** | Makes the quiz work and powers the game logic |

**# Dictionary Page – (Dictionary.html)**

## 🔎 What It Does

The **Dictionary 2.0** lets users search for the meaning of any word. It’s especially helpful for learning science terms or tricky words they come across on your site.

## 🔧 How It Works

* At the top, there's a **search bar** that says “Type any word…”
* When users enter a word, it connects to the **DictionaryAPI.dev**, a real-time dictionary tool.
* It then shows the **definition** of the word, which appears right below the search box.

## 🎨 How It Looks

* The layout is **very simple and clean**—just the search bar in the center of the page.
* The font is large and easy to read, and the background is light and distraction-free.
* On smaller screens (like mobile), it still looks good and is easy to use.

## 💡 Why It’s Useful

* Helps students quickly **understand new words while reading**
* Makes your website more educational and interactive
* Saves users time—they don’t need to open a new tab to search for word meanings
* It's a great tool for both science learning and general English improvement  
    
  **PUBLISHED USING GIT HUB** ~ 6124224