الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
Garden of Knowledge and Virtue
LEADING THE WAY
KHALĪFAH • AMĀNAH • IQRA' • RAḤMATAN LIL-ĀLAMĪN
LEADING THE WORLD
GREATER GOMBAK
UNITED NATIONS UNIVERSITY
INTERNATIONAL MULTI-AWARD WINNING INSTITUTION FOR SUSTAINABILITY

ICTF 0554 WEB TECHNOLOGIES PROJECT REPORT

MBTI

SECTION: 481

TEAM MEMBERS:

1. **NUR IZZAH AMANI BINTI HASMAYADI (245479)**
2. **NURRADHIYAH BINTI RIDZUAN (247237)**
3. **NUR SARAH BINTI AZMI (245746)**
4. **NUR DINI SYAUQINA BINTI MOHD ASRI (245215)**

INTRODUCTION

This MBTI website was developed to introduce and provide understanding of personality types based on the Myers-Briggs Type Indicator (MBTI) test. The MBTI test contains around 90 to 100 questions that you answer to indicate your preference in various scenarios. These answers are then analyzed to determine which of the 16 personality types best aligns with your natural inclinations and behaviors, revealing insights into how you perceive the world and make decisions. The assessment categorizes these preferences into four dimensions: Introversion/Extraversion (I/E), Sensing/Intuition (S/N), Thinking/Feeling (T/F), Judging/Perceiving (J/P). Each dimension has two opposite poles, and your responses indicate where you fall on the spectrum for each. We developed this website because we wanted to provide an easy-to-understand, interesting, and interactive platform for anyone who wants to explore their personality, whether for learning, career, or self-development purposes. By understanding our own personality type and the types of others, individuals can appreciate different perspectives, work more effectively in groups, and pursue personal growth. Overall, MBTI serves as a tool for personal development, not as a way to limit or label people.

TASK DISTRIBUTIONS

NAME	TASK	JOB DESCRIPTION
NUR IZZAH AMANI BINTI HASMAYADI	Technical Lead (Programming Languages & Tools + Features or Functionalities)	Selects and configures appropriate programming languages and tools for the project (e.g., HTML, CSS, JavaScript, VS Code).
NURRADHIYAH BINTI RIDZUAN	Problem Analyst (Problem Statements + Objectives or Goals)	Identifies the real-world problem the project aims to solve.
NUR SARAH BINTI AZMI	UI Designer (Website UI + References)	Designs the visual layout and user experience of the website.
NUR DINI SYAUQINA BINTI MOHD ASRI	Project Coordinator (Introduction + Task Distributions + Conclusion)	Writes and organizes the project introduction, team member responsibilities, and final summary

PROBLEM STATEMENTS:

1. User struggles to relate their MBTI type with practical applications like career choices, relationships or study habits
2. Lack of user-friendly, interactive and visual platform to let the users explore more about their MBTI
3. Existing MBTI websites lack cultural sensitivity that makes it difficult for certain users from diverse backgrounds to relate and apply it
4. Most MBTI websites has limited personalization which does not follow users need and interest and can lead to less impactful experience
5. Too many MBTI-related information can lead to confusion and difficulties for users to find the accurate personality type

OBJECTIVE AND GOALS:

1. To create a user-friendly and visually appealing website that introduces users to the MBTI personality framework
2. To create a simple and gamified MBTI website for users to discover more about their own MBTI
3. To provide personalized content like tips, career advice and study habits based on users MBTI type
4. To promote self-awareness and better interpersonal relationships through the responsible use of MBTI insights
5. To help users keep track about their personality development based on their daily life routine for future reference

PROGRAMMING LANGUAGE AND TOOLS

This report summarizes the HTML, CSS, and JavaScript elements used in five different web page sketches. Each sketch includes a variety of design and structural features, as detailed below:

Homepage includes the following elements:

- The **navigation bar** uses **HTML and CSS** by structuring links with <nav>, <ul>, and <li>, and styling them for layout and appearance.

- The **side navigation menu (sidenav)** uses **HTML, CSS, and JavaScript** by toggling its width with the openNav() and closeNav() functions and styling its position and visibility.
- The **header** section uses **HTML** with , <h1>, and <p> elements to display the site intro and welcoming text.
- The **animated background** uses **JavaScript and HTML** <canvas> element by rendering moving pastel-colored particles with radial gradients and requestAnimationFrame().
- The **search bar** uses **HTML and JavaScript** by creating an input element and filtering MBTI type links live using searchItems() from search.js.
- The **image gallery carousel** uses **HTML, CSS, and JavaScript** by placing images in scrollable s and enabling smooth scrolling via button clicks and mouse wheel events.
- The **content sections** (MBTI info and trivia) use **HTML and CSS** by organizing information with <section>, , <h2>, and styling them for readability and alignment.
- The **images** are loaded using **HTML** <img> tags, pulling from both local folders (mbti.img/) and external sources like 16personalities.com and neris-assets.com.
- The overall page layout and appearance use **HTML** for structure and **CSS** (inline and internal) for styling text, images, responsiveness, and visual effects like shadows and fonts.

About us page includes the following elements:

- **HTML** is used to structure the page with headings, profile cards, images, and navigation links.
- **CSS** is used to style fonts, colors, layout, spacing, shadows, and animations.
- A **sticky header** keeps the top menu always visible while scrolling.
- A **dropdown menu** shows MBTI types on hover in a clean grid layout.
- **Canvas and JavaScript** are used to add colorful animated background particles.
- **Image cards** for team members include hover zoom effects for interactivity.
- **Float and margin** are used to place profile cards side by side.
- The design is **responsive** and adjusts well on different screen sizes.
- A **footer image** is added to match the 16Personalities theme.

The navigation page introduces the types of MBTI:

- This webpage displays **four MBTI** personality types that fall under the **specific category**.
- Each type is **shown in a box** with an **image, name**, and **one short description**.
- **Clicking on any box** will take the user to a **separate page** for that personality type.
- The page includes a **sticky header** with the **website logo** on the left.
- The **navigation menu** has links to the **Meme page,** the **MBTI Test**, and the **About Us** section.
- The background uses a **light paper texture** to create a **soft, clean appearance.**
- Each content box **changes slightly** when **hovering**, giving a **subtle shadow effect**.
- No **JavaScript** is used; all effects are done with **HTML** and **CSS** only.

The MBTI page focuses on more details about each MBTI:

- **HTML** is used to structure the webpage content like **headings, images**, and **navigation**, while **CSS** is used to style the **layout, colors, fonts,** and **interactive elements**.
- A **sticky header** keeps the navigation bar **fixed at the top** while scrolling.
- A **dropdown menu** shows **MBTI types** using **hover effects** and **grid layout**.
- **Flexbox** is used to **arrange famous person cards** responsively.
- **Hover** effects are added to **content boxes** and the **footer** for interactivity.
- **Images** and content are arranged using **float** and **margin styles.**
- The layout is **responsive** and **adjusts across screen sizes**.
- No **JavaScript** is used; all effects are done with **HTML** and **CSS** only.

Take test page features emphasize modern layout techniques:

- A **button** is created using **HTML** structure and **CSS** for styling, allowing users to interact with the quiz interface (e.g., selecting answers, confirming choices, starting the test).
- The **background** is styled using **CSS**, applied to **HTML elements**, to enhance the visual appearance and user experience of the test environment.
- All **textual content** such as questions, headings, and result details is implemented using **HTML elements** like <h2>, <p>, and , with **CSS** used to control layout, font, and spacing.

- **Images** are incorporated using **CSS background-image** properties to create a visually appealing layout and enhance the overall design aesthetics.
- All **test questions** are stored in a **JSON file**, which is dynamically fetched using JavaScript. This allows the questions to be easily managed, updated, or extended without modifying the core HTML or JS logic.
- This page uses **Firebase Firestore**, a NoSQL cloud database, to **store user data** such as names, MBTI types, and timestamps. This enables real-time storage and retrieval of quiz results.
- **Firebase** is initialized using a **JavaScript API** with a configuration object containing the project's unique credentials
- This page uses a **Goggle API key** to connect the Gemini AI chat box with Google server, enabling intelligent responses based on user input.
- When a user sends a message in the chat box, a JavaScript function will send it to the **Gemini API** endpoint.
- The **chat box** is styled using **CSS**, applied to **HTML elements**, to ensure that the user can use it efficiently with the proper size of chat box.

Meme page includes following elements:

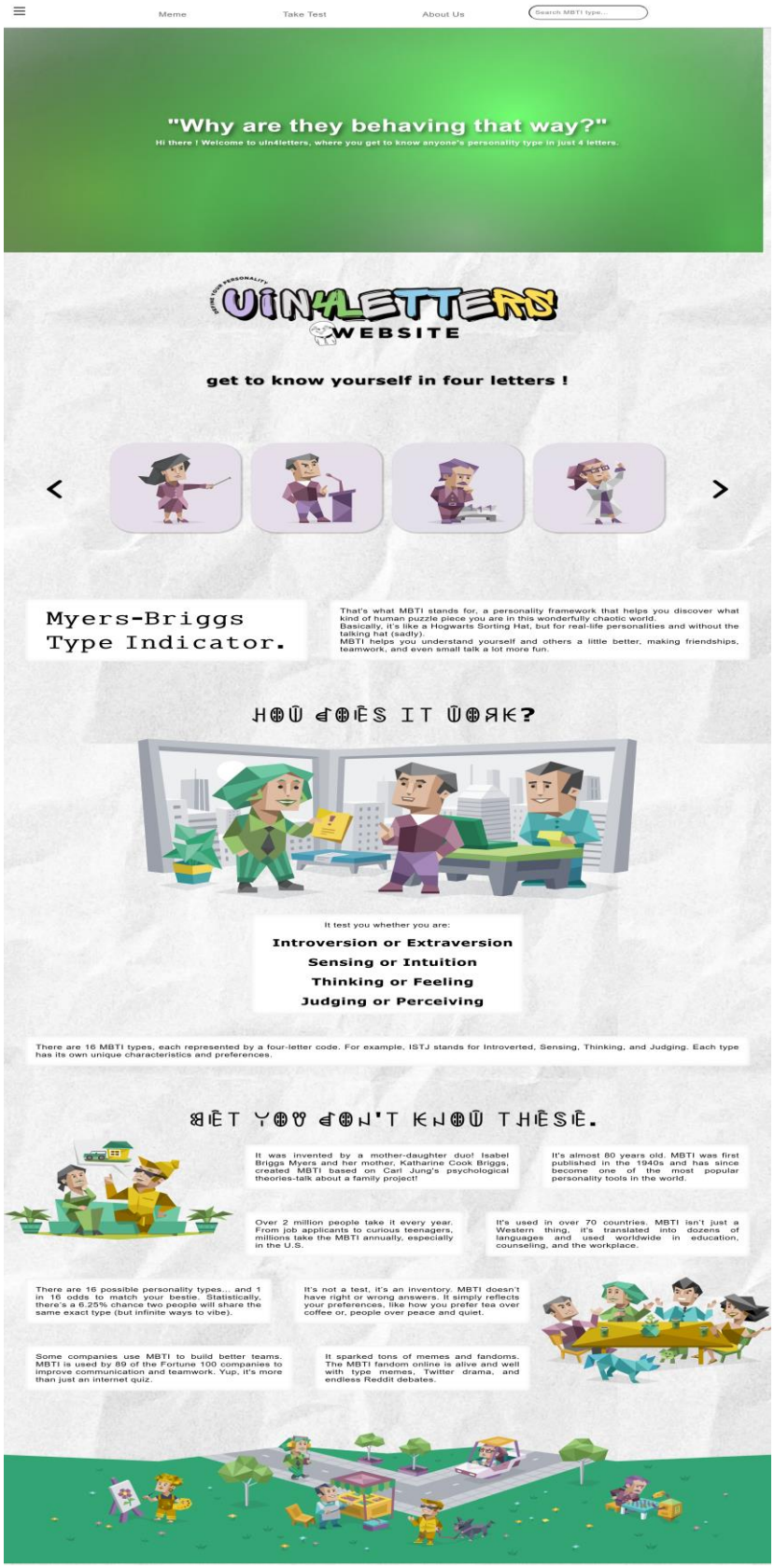
- **HTML** is used to structure the content, such as the navigation menu, dropdowns, canvas, and image grid.
- **CSS** styles the page with fonts, colors, layout spacing, hover effects, and flex/grid positioning.
- A **sticky header** keeps the navigation bar at the top of the page while scrolling.
- A **dropdown menu** under "MBTI Type" shows links to 16 MBTI personalities using a grid layout on hover.
- **Canvas and JavaScript** are used to generate colorful animated background particles.
- **Flexbox** is used to arrange image columns (`.dream`) in a responsive row (`.box`).
- **Hover effects** highlight dropdown items for better user experience.
- **Images** are displayed in vertical stacks in each column and styled with margin and border-radius.
- The layout is **responsive**, adjusting neatly across different screen sizes.
- **No external libraries** are used; everything is done with **pure HTML, CSS, and JavaScript**.

FEATURES AND FUNCTIONALITIES

The website has many helpful tools to learn about the Myers-Briggs Type Indicator (MBTI). It includes a fun and easy-to-use personality quiz that tells users their MBTI type. After the quiz, users can read clear and simple descriptions of all 16 personality types, including their strengths, weaknesses, and how they usually act. The website also shows how different personality types get along with each other, both at work and in everyday life. There's also career tips and relationships, all based on personality types. These features help users understand themselves and others better.

WEBSITE USER INTERFACE (UI)

1. Homepage


Meme
Take Test
About Us
Search MBTI type...
"Why are they behaving that way?"
Hi there ! Welcome to uln4letters, where you get to know anyone's personality type in just 4 letters.
WEBSITE
get to know yourself in four letters !
Myers-Briggs Type Indicator.
That's what MBTI stands for, a personality framework that helps you discover what kind of human puzzle piece you are in this wonderfully chaotic world.
Basically, it's like a Hogwarts Sorting Hat, but for real-life personalities and without the talking hat (sadly).
MBTI helps you understand yourself and others a little better, making friendships, teamwork, and even small talk a lot more fun.
HOW DOES IT WORK?
It test you whether you are:
Introversion or Extraversion
Sensing or Intuition
Thinking or Feeling
Judging or Perceiving
There are 16 MBTI types, each represented by a four-letter code. For example, ISTJ stands for Introverted, Sensing, Thinking, and Judging. Each type has its own unique characteristics and preferences.
BET YOU DON'T KNOW THESE.
It was invented by a mother-daughter duo! Isabel Briggs Myers and her mother, Katharine Cook Briggs, created MBTI based on Carl Jung's psychological theories-talk about a family project!
It's almost 80 years old. MBTI was first published in the 1940s and has since become one of the most popular personality tools in the world.
Over 2 million people take it every year. From job applicants to curious teenagers, millions take the MBTI annually, especially in the U.S.
It's used in over 70 countries. MBTI isn't just a Western thing, it's translated into dozens of languages and used worldwide in education, counseling, and the workplace.
There are 16 possible personality types... and 1 in 16 odds to match your bestie. Statistically, there's a 6.25% chance two people will share the same exact type (but infinite ways to vibe).
It's not a test, it's an inventory. MBTI doesn't have right or wrong answers. It simply reflects your preferences, like how you prefer tea over coffee or, people over peace and quiet.
Some companies use MBTI to build better teams. MBTI is used by 89 of the Fortune 100 companies to improve communication and teamwork. Yup, it's more than just an internet quiz.
It sparked tons of memes and fandoms. The MBTI fandom online is alive and well with type memes, Twitter drama, and endless Reddit debates.

2. About Us

"From Curious to Certified MBTI Geeks"

Just tap on the profiles below to know more what kind of person we are.

Prepared By :

Nur Dini Syauqina binti Mohd Asri

245215

Nur Sarah binti Azmi

245746

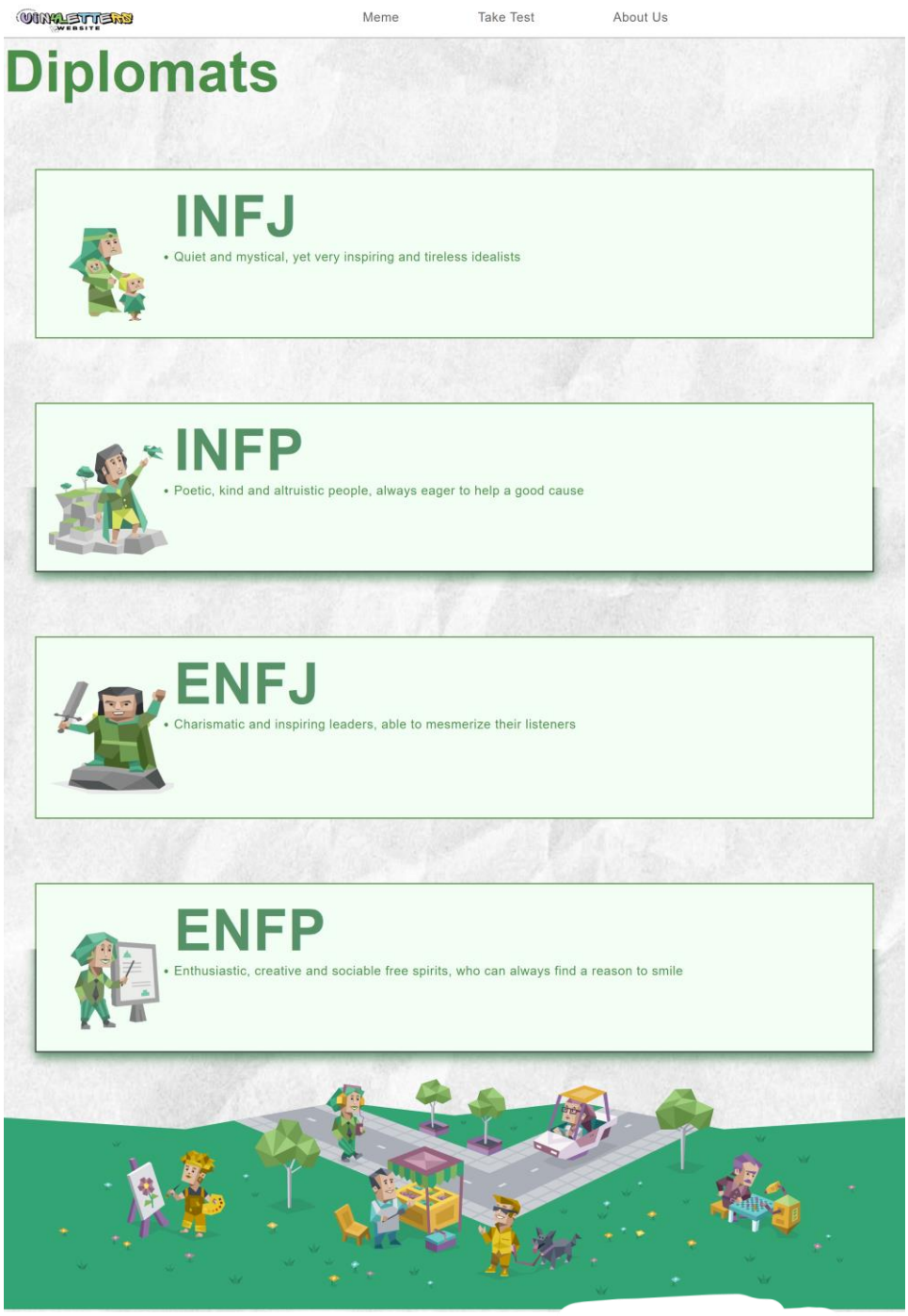
Nurradhiyah binti Ridzuan

247237

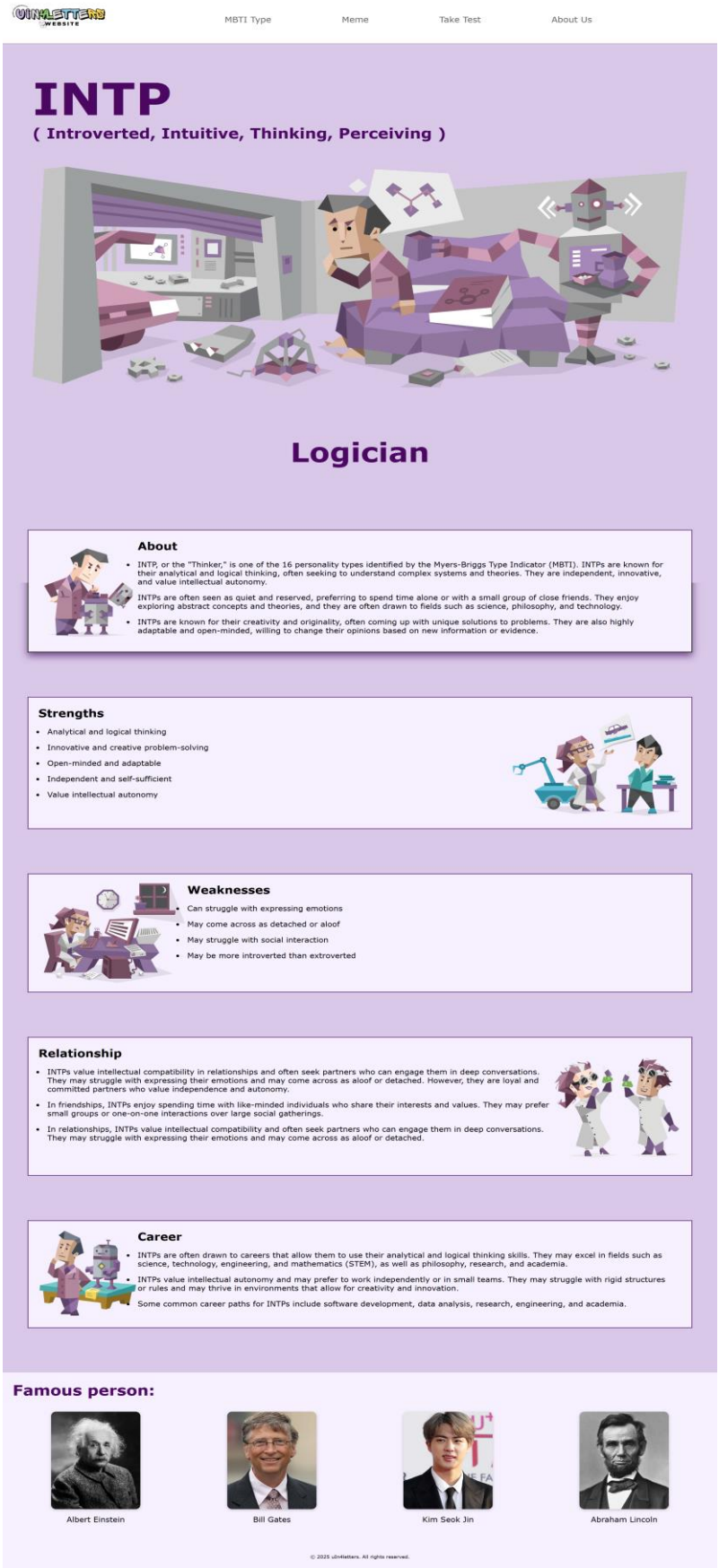
Nur Izzah Amani binti Hasmayadi

245479

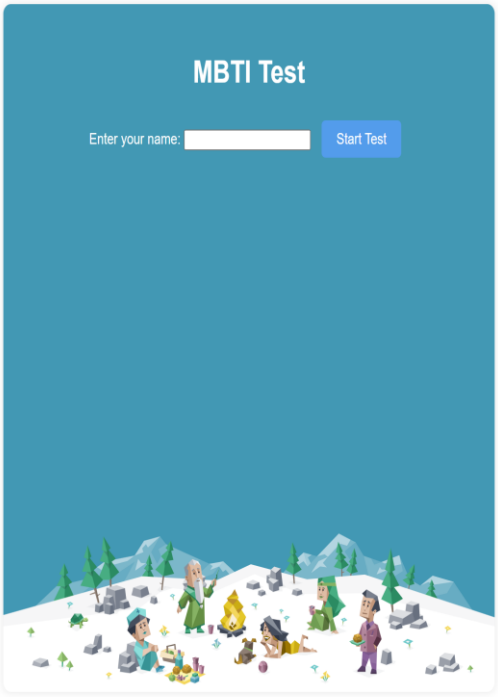
3. Navigation

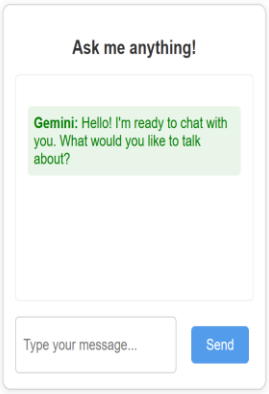


4. MBTI Type information (16 same formatted pages)

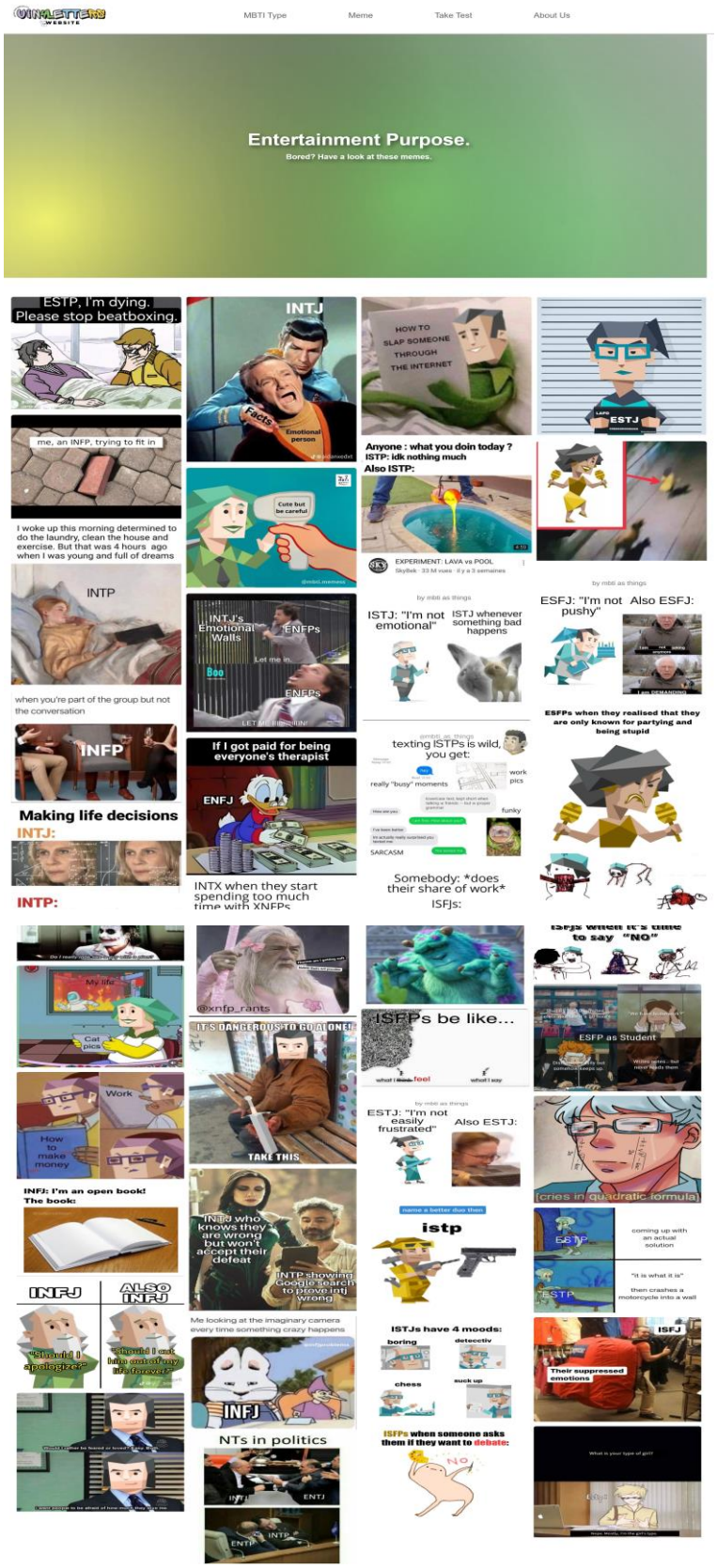


5. Take Test and AI


MBTI Test
Enter your name:
Start Test


Ask me anything!
Gemini: Hello! I'm ready to chat with you. What would you like to talk about?
Type your message...
Send

6. Meme


MBTI Type
Meme
Take Test
About Us
Entertainment Purpose.
Bored? Have a look at these memes.
ESTP, I'm dying. Please stop beatboxing.
me, an INFP, trying to fit in
I woke up this morning determined to do the laundry, clean the house and exercise. But that was 4 hours ago when I was young and full of dreams
INTP
when you're part of the group but not the conversation
INFP
Making life decisions
INTJ:
INTP:
INTJ
Facts
Emotional person
Cute but be careful
INTJ's Emotional Walls
ENFPs
Let me in
Boo
LET ME INSIDE!!!
If I got paid for being everyone's therapist
ENFJ
INTX when they start spending too much time with XNFPs
HOW TO SLAP SOMEONE THROUGH THE INTERNET
Anyone : what you doin today ?
ISTP: idk nothing much
Also ISTP:
EXPERIMENT: LAVA vs POOL
by mbti as things
ISTJ: "I'm not emotional"
ISTJ whenever something bad happens
ESFJ: "I'm not pushy"
Also ESFJ:
ESFPs when they realised that they are only known for partying and being stupid
texting ISTPs is wild, you get:
really "busy" moments
work pics
funky
SARCASM
Somebody: *does their share of work*
ISFJs:
ISFJs when it's time to say "NO"
My life
Cat pics
Work
How to make money
INFJ: I'm an open book! The book:
INFJ
ALSO INFJ
"Should I apologize?"
"Should I eat him out of my life forever?"
@xnfp_rants
IT'S DANGEROUS TO GO ALONE!
TAKE THIS
INTJ who knows they are wrong but won't accept their defeat
INTP showing Google search to prove intj wrong
Me looking at the imaginary camera every time something crazy happens
INFJ
NTs in politics
INTJ
ENTJ
ENTP
INTP
ISFPs be like...
what I feel
what I say
by mbti as things
ESTJ: "I'm not easily frustrated"
Also ESTJ:
name a better duo then
istp
ISTJs have 4 moods:
boring
detecctiv
chess
suck up
ISFPs when someone asks them if they want to debate:
NO
ESFP as Student
[cries in quadratic formula]
ESTP
coming up with an actual solution
"it is what it is"
then crashes a motorcycle into a wall
ISFJ
Their suppressed emotions
What is your type of girl?

CONCLUSION

In conclusion, the MBTI website is a useful tool for people who want to learn more about their personality. With easy-to-use features like the personality quiz, type descriptions, compatibility advice, and helpful articles, the website makes it simple to understand MBTI. It helps users improve their self-awareness, build better relationships, and make smarter choices in life and work.

REFERENCES

https://high5test.com/mbti-personality-types/

https://www.simplypsychology.org/the-myers-briggs-type-indicator.html

https://www.16personalities.com/