



UNIVERZITET U NOVOM SADU
FAKULTET TEHNIČKIH NAUKA



Mina Sovilj Tijana Trivkovic Ivana Danilovic
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Predmetni zadatak – WEB dizajn

WEB dizajn

Katedra za animaciju u inženjerstvu

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Uvod

Tema ovog projekta jeste izrada veb sajta korišćenjem savremenih tehnologija za razvoj interaktivnih i responzivnih veb stranica. Projekat obuhvata implementaciju sajta koji se sastoji od deset međusobno povezanih stranica, realizovanih uz primenu HTML-a, CSS-a, JavaScript-a i Bootstrap okvira.

Cilj projekta je da se kroz praktičan rad demonstrira razumevanje osnovnih principa veb programiranja, strukture i stilizovanja sadržaja, kao i dinamičke interakcije između korisnika i sajta. Poseban akcenat stavljen je na preglednost, funkcionalnost i prilagođenost različitim uređajima, u skladu sa pravilima responzivnog dizajna.

Za izbor teme odlučile smo se jer nas astrologija već duže vreme zanima — pre svega način na koji povezuje simboliku, ličnost i odnose među ljudima. Cilj projekta bio je da spojimo to interesovanje sa praktičnim znanjem iz oblasti veb programiranja i dizajna, kroz kreiranje preglednog, informativnog i vizuelno privlačnog sajta.

2. Kreiranje sajta

Kao osnovu za izgled i raspored elemenata koristile smo Bootstrap, dok je kroz CSS dodatno oblikovan izgled, boje i stil stranica u skladu sa temom astrologije. JavaScript je korišćen za dodavanje interaktivnosti — na primer, za otvaranje i zatvaranje sekcija, prikazivanje dodatnih informacija i jednostavne animacije koje čine sajt dinamičnijim i prijatnijim za korišćenje.

Sam sajt se sastoji od deset međusobno povezanih stranica, među kojima su one posvećene istoriji astrologije, značenju planeta, astrološkim aspektima, horoskopima i kompatibilnosti znakova. Početna strana služi kao uvod i sadrži osnovne informacije o astrologiji, dok su ostale strane detaljnije obrađene tako da korisniku pruže celovit pregled teme.

Na početku svakog fajla nalazi se osnovna HTML struktura u kojoj sam definisala zaglavlje, telo stranice i linkove ka spoljnom CSS fajlu i Bootstrap bibliotekama. Ovi elementi omogućavaju da se ceo sajt prikazuje u pravilnom rasporedu i da dizajn ostane responzivan na različitim uređajima.

```
<!doctype html>
<html lang="en">

  <head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <title>Astrology</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
    <link rel="stylesheet" href="Style.css">
  </head>

  <body>

    <!-- Banner slika iznad navigacije -->
    <div class="banner">
      
    </div>
```

Jedan od važnijih delova koda je navigacioni meni (navbar), koji povezuje sve stranice sajta. On je urađen pomoću Bootstrap klase navbar, što mi je znatno olakšalo pravljenje menija koji se automatski prilagođava širini ekrana. U ovom delu koda definišu se linkovi ka stranicama kao što su Planets and Their Influence, Aspects i Compatibility, a pomoću JavaScript funkcionalnosti omogućeno je da se pri kliku na dugme otvori odgovarajuća stranica.

```
<!-- Navigacija -->
```

```
<nav class="navbar navbar-dark bg-dark shadow-sm sticky-top">
  <div class="container d-flex justify-content-between align-items-center">
    <a class="navbar-brand d-flex align-items-center" href="index.html">
      
      <span class="tab text-white ms-2">Astrology home page</span>
    </a>
```

```
<!-- Planets & Aspects -->
<li class="nav-link dropdown">
  <a class="nav-link dropdown-toggle text-white" href="#" id="planetsDropdown" role="button" data-bs-toggle="dropdown" aria-expanded="false">
    Planets & Aspects
  </a>
  <ul class="dropdown-menu" aria-labelledby="planetsDropdown">
    <li><a class="dropdown-item" href="planets.html">Planets and their influence</a></li>
    <li><a class="dropdown-item" href="aspects.html">Aspects</a></li>
  </ul>
</li>
```

Drugi važan deo koda odnosi se na Bootstrap grid sistem koji smo koristile za raspored elemenata. Bootstrap koristi sistem redova (rows) i kolona (columns), što omogućava da se sadržaj pravilno rasporedi bez potrebe za ručnim podešavanjem širina. Na primer, u

sekciji gde su prikazane planete, svaka „kartica“ (card) sa informacijama o planeti nalazi se u posebnoj koloni, što daje uredan i simetričan izgled.

```
<header class="bg-white section-pad">
  <div class="container">
    <div class="row align-items-center g-4">
      <div class="col-md-6 bg-white">
        <h1 class="display-3 fw-bold" style='color: black;'>Explore Your Cosmic Path</h1>
        <p class="lead" style='color: black;'>Astrology is an ancient science that studies the influence of planets and stars on our lives. Whether you are looking for insights into your personal horoscope, daily forecasts, or want to understand the personalities and relationships of others, here you will find all the guidance you need to better understand yourself and the world around you. </p>
        <div class="collapse" id="moreIntro" style='color: black;'>
          <p class="mb-2" style='color: black;'><br>Astrology is not just about your zodiac sign - it is a journey into understanding the cosmic energies that shape our lives. By studying the positions of planets, the moon, and stars at the time of your birth, astrology can reveal your personality traits, strengths, challenges, and potential life paths.</p>
          <p class="mb-2" style='color: black;'><br><br>With astrology, you can:
          <br><br>
        </div>
      </div>
    </div>
  </div>
</header>
```

U okviru projekta implementirale smo jednostavnu, ali veoma korisnu JavaScript funkcionalnost — dugme „Back to the top“ koje korisniku omogućava da se jednim klikom vrati na početak stranice. Ova opcija je naročito praktična kod dužih stranica, jer poboljšava preglednost i olakšava navigaciju.

```
<button id="backToTop" class="btn btn-brand position-fixed bottom-0 end-0 m-4">
  Back to the top
</button>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
<script>document.getElementById('year').textContent = new Date().getFullYear();</script>
<script src="assets/script.js"></script>

<!-- Scroll to top dugme JS -->
<script>
  const backToTop = document.getElementById("backToTop");
  window.addEventListener("scroll", () => {
    if (window.scrollY > 300) {
      backToTop.style.display = "block";
    } else {
      backToTop.style.display = "none";
    }
  });

  backToTop.addEventListener("click", () => {
    window.scrollTo({ top: 0, behavior: "smooth" });
  });
</script>
```

Na svakoj stranici sajta koristi se isti footer, što omogućava konzistentan izgled i jednostavnu navigaciju za korisnika. Footer je napravljen korišćenjem HTML-a i Bootstrap-a, i uključuje osnovne informacije o sajtu, kao što su copyright oznaka, trenutna godina, kratka poruka i kontakt informacije.

Footer na sajtu je dizajniran tako da uvek ostaje "zalijepljen" za dno ekrana, bez obzira na to koliko sadržaja stranica ima. Ovo je postignuto korišćenjem CSS-a.

Dodatno, footer koristi Bootstrap kontejner i kolone da bi se sadržaj pravilno poravnao i bio prilagodljiv različitim veličinama ekrana. Stilizovan je tamnom pozadinom, svetlim tekstom i blagim box-shadow efektom, što daje moderan izgled i vizuelnu odvojenost od ostatka stranice.


```
.site-footer small {  
  font-size: 1rem;  
  text-shadow: 0 0 3px rgba(255, 215, 0, 0.5);  
}  
  
/* Footer fixed bottom */  
.site-footer {  
  position: fixed;  
  left: 0;  
  right: 0;  
  bottom: 0;  
  background: #111;  
  color: #ddd;  
  font-size: 0.95rem;  
  box-shadow: 0 -4px 6px -2px rgba(0, 0, 0, 0.3);  
  margin-top: auto;  
}  
  
.site-footer a {  
  color: #fff;  
  text-decoration: underline;  
}
```

```

<!-- FOOTER -->
<footer class="site-footer bg-dark text-white uniform-text">

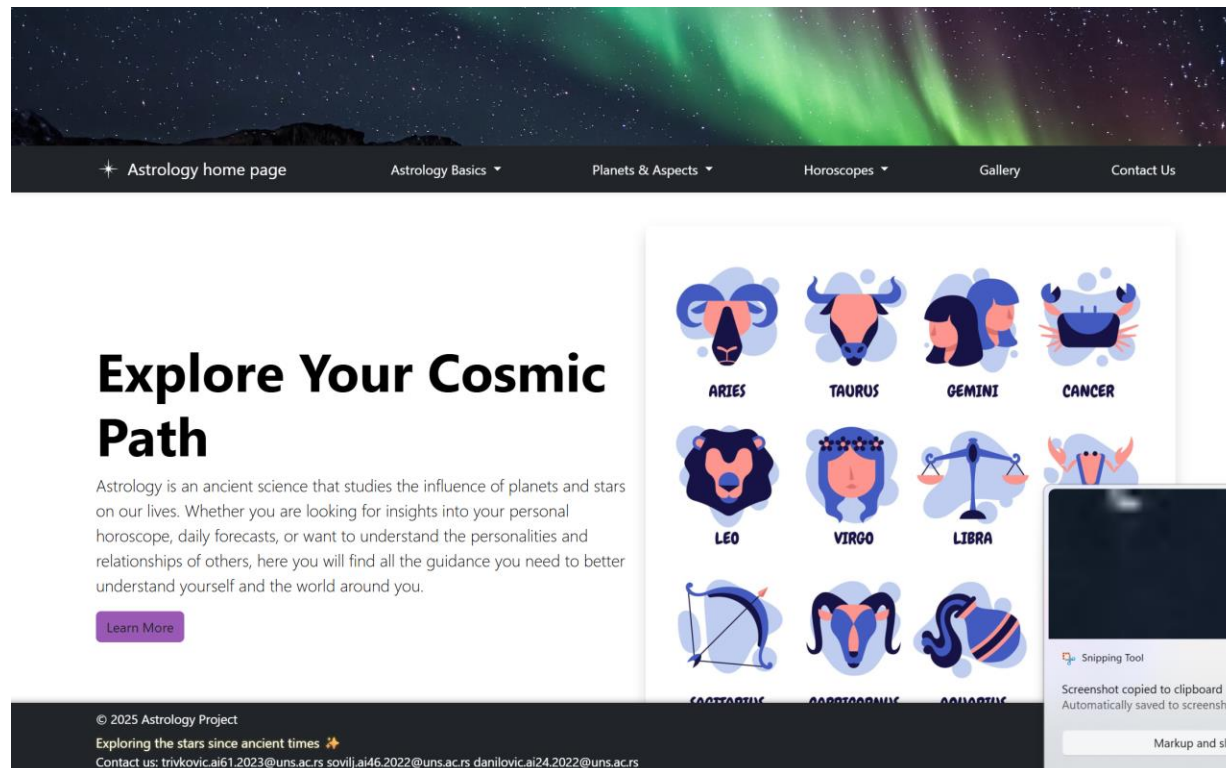
  <div class="container">
    <div class="row">
      <div class="col-md-6 mb-3 mb-md-0">
        <p class="mb-1">&copy; <span id="year"></span> Astrology Project</p>
        <small>Exploring the stars since ancient times ✨</small>
      </div>
      <div style="color: white;">
        Contact us:
        <a href="mailto:trivkovic.ai61.2023@uns.ac.rs" style="color: white; text-decoration: none;">trivkovic.ai61.2023@uns.ac.rs</a>
        <a href="mailto:sovilj.ai46.2022@uns.ac.rs" style="color: white; text-decoration: none;">sovilj.ai46.2022@uns.ac.rs</a>
        <a href="mailto:danilovic.ai24.2022@uns.ac.rs" style="color: white; text-decoration: none;">danilovic.ai24.2022@uns.ac.rs</a>
      </div>
    </div>
  </div>
</footer>

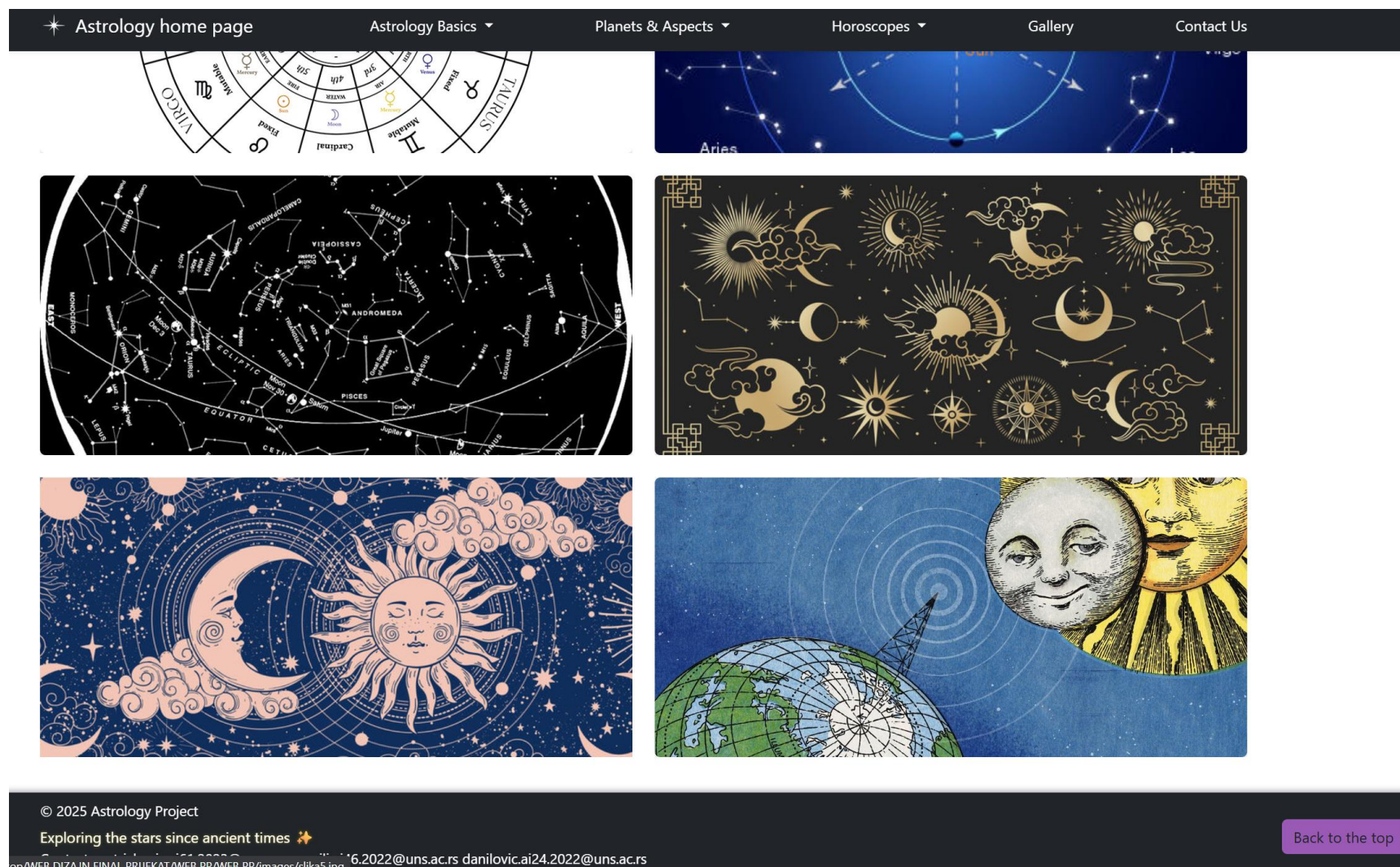
```

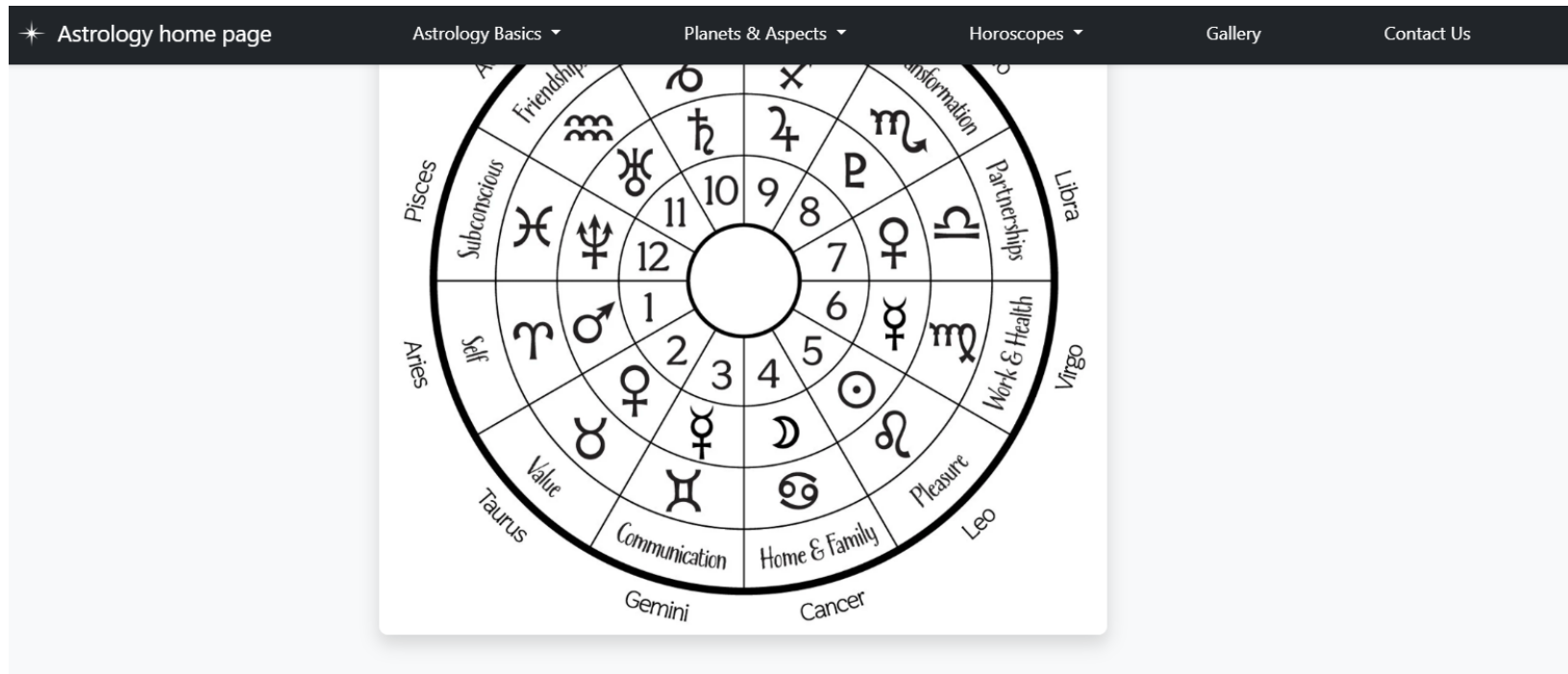
U delu sajta sa horoskopima urađena je funkcionalnost koja omogućava da se klikom na sliku zodiac znaka otvori tekst sa opisom horoskopa. Svaka slika ima dodat atribut data-text u kojem je sačuvan sadržaj koji se prikazuje. Pomoću JavaScript-a se detektuje klik na sliku klase .zodiac, a zatim se iz tog atributa preuzima tekst i dinamički ubacuje u Bootstrap modal (isključeni prozor). Modal se zatim prikazuje korisniku, čime se dobija efekat da se klikom na sliku otvara odgovarajući horoskop.

```
document.querySelectorAll('.zodiac').forEach(img => {  
  img.addEventListener('click', function() {  
    const title = this.getAttribute('data-title') || this.alt;  
    const text = this.getAttribute('data-text');  
  
    document.getElementById('zodiacText').innerHTML = `  
      <h3 class="fw-bold fs-2">${title}</h3>  
      <p class="fs-5">${text}</p>  
    `;  
  });  
});  
</script>
```

3. Finalan izgled sajta







Houses in Astrology and What They Mean

The First House of Identity and Self

The first house is known as the rising sign or ascendant and is considered to be the anchor of the astrological chart. It is the furthest left point of the essential horizon line and reveals which zodiac sign was rising from the eastern horizon at your time of birth. This sign is all about how perceive you. Let's say you are Gemini with a Scorpio rising, that means while you have the bubbly and chatty makings of a Gemini, you appear to be someone who's very focused to others. This would differ from a Gemini sun with a Pisces who may be

The Second House of Money and Possessions

The second house represents one's finances, the material realm, confidence and possessions. This house focuses on personal resources and self-esteem. It shows how, where, and why you find security in the things you do. Your second house can help you find ways to earn money and help you pinpoint the things that are worthy of your time and energy. Many astrologers also connect this house with childhood friends because they are the basis of camaraderie for the future. The second house is associated with the sign Taurus and planet Venus.

The Third House of Communication

The third house allows us to have insightful and meaningful communication with others. This house aids in how we express ourselves and receive information or news. It also allows us to bond and connect with siblings on a deeper level. Not only that, but it also describes our relationship with these individuals. Beyond that, the third house dictates your ties with the local community and early schooling — particularly the impact they both have on you. This house is associated with the sign Gemini and the planet

The Fourth House of Home and Family

The fourth house is a sensitive point in the birth chart because it is the most intimate house, therefore, it is highly significant in how one feels about themselves and the world around them. The fourth house gives us an indication of our personal foundation. This includes family, heritage, tradition and home. Astrologers look to the fourth house to decipher how a person relates to the parental influences in their lives, nostalgia and sentimentality. The fourth house is associated with the sign Cancer and the Moon.

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The Twelve Zodiac Signs

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Aries ♈: Courage, leadership, and fiery beginnings.

Taurus ♉: Stability, sensuality, and appreciation for beauty.

Gemini ♊: Curiosity, communication, and mental agility.

Cancer ♋: Emotion, intuition, and nurturing energy.

Leo ♌: Confidence, creativity, and self-expression.

Virgo ♍: Precision, logic, and service to others.

Libra ♎: Harmony, balance, and the art of relationships.

Scorpio ♏: Transformation, depth, and emotional power.

Sagittarius ♐: Exploration, wisdom, and spiritual truth.

Capricorn ♑: Discipline, ambition, and long-term goals.

Aquarius ♒: Innovation, independence, and collective vision.

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Exploring the stars since ancient times ✨
Contact us: trivkovic.ai61.2023@uns.ac.rs sovilj.ai46.2022@uns.ac.rs danilovic.ai24.2022@uns.ac.rs

Back to the top