

# **Front End Engineering II**

## **Project Report 3**

### **Semester-IV (Batch-2022)**

#### **SportX Website**



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## ABSTRACT

This frontend project is an e-commerce website for sports equipment and apparel, built using React, Tailwind CSS, and Framer Motion. The website features a bold and visually striking design with a yellow and black color scheme, prominent hero sections with calls-to-action, and action shots of athletes in various sporting activities.

The homepage design includes sections for highlighting featured products, promotions, and fitness/performance messaging. The e-commerce functionality allows users to browse and purchase products like athletic shoes, apparel, and gear.

The use of React enables a dynamic and interactive user experience, while Tailwind CSS utility classes provide a flexible and maintainable approach to styling the application. Framer Motion is likely used to create smooth animations and transitions, adding to the engaging visual appeal.

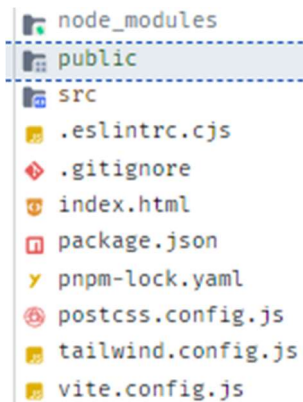
The project incorporates modern web development practices, such as component-based architecture and responsive design, to deliver a seamless experience across different devices and screen sizes. The design aims to captivate users, promote the brand's athletic identity, and drive product engagement and sales.

# INTRODUCTION

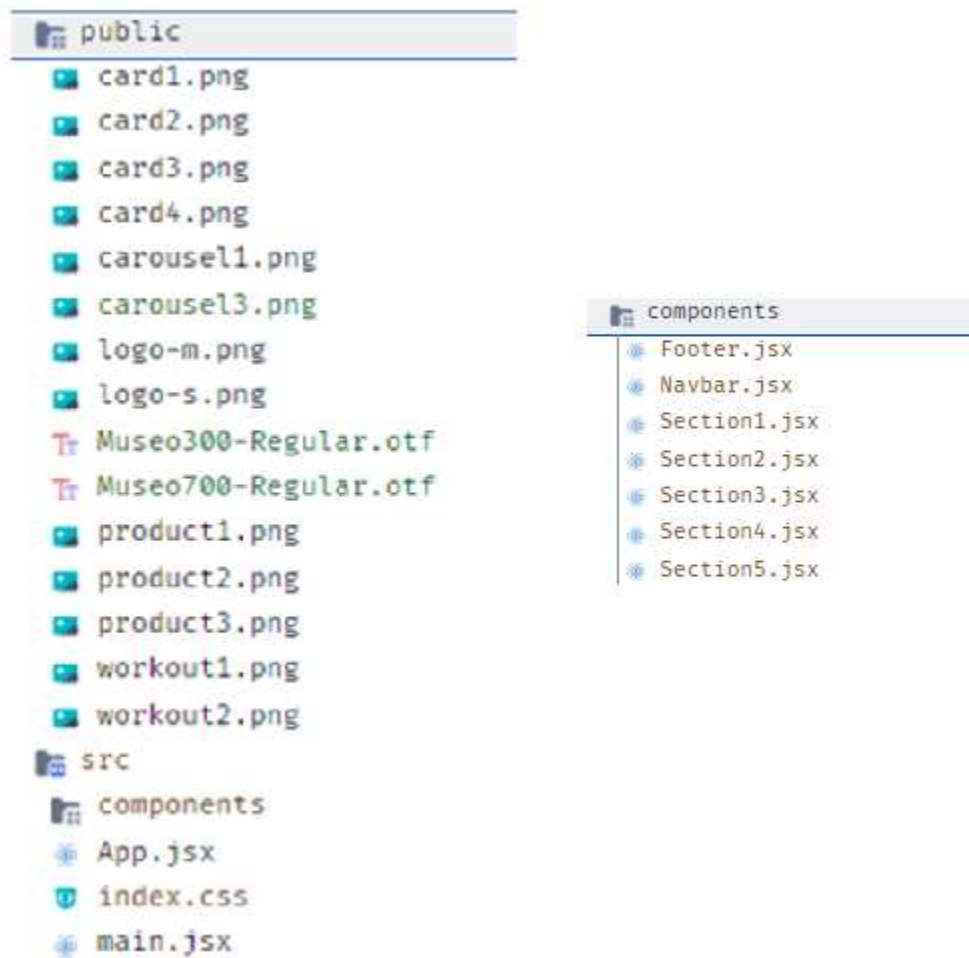
## Technologies and Techniques Employed:

1. **Tailwind CSS:** The application utilizes the Tailwind CSS utility-first framework for styling, allowing for rapid development and easy customization of the user interface. The `tailwind.config.js` file is used to configure and extend the default Tailwind settings.
2. **ReactJS:** The website is build using ReactJS, which make it easier for us to reuse components and add dynamicity.
3. **Framer Motion:** With use of framer motion we can easily add animations in react.
4. **Component-Based Architecture:** The application follows a component-based architecture, with reusable components such as `dateInput.js` for rendering date input fields with a calendar picker, and `displayArea.js` for formatting and displaying the calculated age information.
5. **Accessibility Considerations:** The application incorporates accessibility best practices, such as proper use of semantic HTML, keyboard navigation, and focus management, to ensure a inclusive experience for all users.

## FILE STRUCTURE



*File Structure 1*



*File Structure 2*

## CODE SCREENSHOTS

Code and preview can also be found at <https://github.com/sukoon870/fec-project-sem4.3/>

```
import Footer from "../components/Footer";
import Navbar from "../components/Navbar";
import Section1 from "../components/Section1";
import Section2 from "../components/Section2";
import Section3 from "../components/Section3";
import Section5 from "../components/Section5";
import Section4 from "../components/Section4";
function App() {
  return (
    <
      <Navbar />
      <Section1 />
      <Section2 />
      <Section3 />
      <Section4 />
      <Section5 />
      <Footer />
    >
  );
}
```

*Code 1 – App.jsx*

```

const Card = ({ title, desc, img, alt = false }) => {
  <div
    className={`flex items-start w-[32rem] cursor-default ${
      alt ? "card1-alt" : "card1"
    }`}
    style={{
      "--url": `url(${img})`,
    }}
  >
    <div className="flex flex-col w-1/2 gap-4 items-start p-10">
      <span
        className={`text-3xl font-bold uppercase ${
          alt ? "text-white" : "text-black"
        }`}
      >
        {title}
      </span>
      <span
        className={` ${alt ? "text-white" : "text-black"} leading-5`}
      >
        {desc}
      </span>
      {/* <button
        className={`font-bold text-lg group flex ${
          alt ? "text-theme2" : "text-black"
        }`}
      >
        More
      </button> */}
      <button className="relative font-bold text-lg px-4 py-2 group skew-x-[-35deg]">
        <span
          className={`absolute top-0 left-0 w-0 h-full transition-all ${
            alt ? "bg-theme2" : "bg-black"
          } group-hover:w-full`}
        ></span>
        <span
          className={`flex flex-row items-center gap-2 skew-x-[35deg] ${
            alt
              ? "text-theme2 text-black group-hover:text-black"
              : "text-black text-theme2 group-hover:text-theme2"
          } transition-all`}
        >
          More
          <svg
            xmlns="http://www.w3.org/2000/svg"
            viewBox="0 0 320 512"
            className="size-4 fill-current"
          >
            <path d="M310.6 233.4c12.5 12.5 12.5 32.8 0 45.3l-192 192c-12.5 12.5-32.8
          </path>
          </svg>
        </span>
      </button>
    </div>
  </div>
);
};

```

Code 2 – Card1

```

const Section1 = () => {
  const [[page, direction], setPage] = useState([0, 0]);
  const imageIndex = wrap(0, carouselData.length, page);

  const paginate = (newDirection) => {
    setPage([page + newDirection, newDirection]);
  };
  useLayoutEffect(() => {
    const to = setTimeout(() => {
      paginate(1);
    }, AUTO_SLIDE_INTERVAL);
    return () => {
      clearTimeout(to);
    };
  }, [page]);
  return (
    <section className="w-full bg-theme4 flex flex-col items-center relative">
      <span className="w-full h-40 absolute bottom-0 left-0 bg-[#dde6e8] section-border-clip"></span>
      <div className="h-[80vh] w-full bg-black/10 overflow-hidden relative">
        <AnimatePresence initial={false} custom={direction}>
          {carouselData[imageIndex]} (
            <motion.div
              key={imageIndex}
              className="absolute left-40 right-40 top-20 bottom-20 flex items-center justify-sta
              custom={direction}
              initial={{ opacity: 0 }}
              animate={{ opacity: 1 }}
              exit={{ opacity: 0 }}
              transition={{
                opacity: { duration: 0.2 },
              }}
            >
              <span
                className="absolute inset-0 pointer-events-none hidden lg:flex"
                style={{
                  backgroundImage: `url(${carouselData[imageIndex].img})`,
                  backgroundSize: "auto 100%",
                  backgroundPosition: "right center",
                  backgroundRepeat: "no-repeat",
                }}
              ></span>
              <div className="w-full lg:w-1/2 flex flex-col items-start gap-10">
                <span className="text-white font-bold text-5xl uppercase">
                  {carouselData[imageIndex].title}
                </span>
                <span className="text-white">
                  {carouselData[imageIndex].desc}
                </span>
                <button className="relative font-bold text-lg px-4 py-2 ml-6 group border-the
                  <span className="absolute top-0 left-0 w-0 h-full transition-all bg-theme
                  <span className="block skew-x-[35deg] text-theme2 group-hover:text-blac
                    Click Here
                  </span>
                </button>
              </div>
            </motion.div>
          )
        </AnimatePresence>
      </div>
    </section>
  )
}

```

Code 3 – Section1 -1



```

    })}
  </AnimatePresence>
  <div className="flex justify-center mt-4 absolute bottom-10 left-1/2 -translate-x-1/2">
    {carouselData.map((_, index) => (
      <button
        key={index}
        className={`mx-1 w-4 h-3 skew-x-[-35deg] hover:ring-1 transition-all ring-theme3 ${
          index === imageIndex ? "bg-white" : "bg-theme1"
        }`}
        onClick={() => paginate(index - imageIndex)}
      ></button>
    ))}
  </div>
</div>
<div
  className="grid grid-cols-2 grid-rows-2 md:max-w-[80%] gap-10 z-[1]"
  id="sport-stars"
>
  {cardData.map((card, index) => (
    <Card key={index} {...card} />
  ))}
</div>
</section>
);
};

export default Section1;

```

Code 4 – Section1 – 2

```

42 const cardData = [ "Cata": Unknown word.
41 {
40   name: "Blouse",
39   img: "/product1.png",
38   price: "$27.00",
37 },
36 {
35   name: "Blouse",
34   img: "/product2.png",
33   price: "$27.00",
32 },
31 {
30   name: "Blouse",
29   img: "/product3.png",
28   price: "$27.00",
27 },
26 ];
25 const Card = ({ name, img, price }) => {
24   return (
23     <a
22       href="#"
21       className="w-full aspect-[1.3/1] cursor-pointer hover:scale-[1.02] transition-all hover:drop-shadow-xl □bg
20     >
19       <div
18         className="□bg-[#dde6e8] w-full h-full p-10 grid place-items-center bg-contain bg-center bg-no-repeat"
17         style={{
16           backgroundImage: `url(${img})`,
15         }}
14       ></div>
13       <div className="flex flex-row justify-between ■text-black">
12         <span>{name}</span>
11         <span className="font-bold">{price}</span>
10       </div>
9     </a>
8   );
7 };
6 const Section2 = () => {
5   return (
4     <section
3       className="w-full relative flex flex-col items-center □bg-[#dde6e8] pt-20"
2       id="products"
1     >
43     <h1 className="font-bold text-5xl ■text-black uppercase py-10">
1       Explore the newest product
2     </h1>
3     <p className="■text-black text-center max-w-4xl">
4       Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do "amet": Unknown word.
5       eiusmod tempor incididunt ut labore labore et dolore magna "eiusmod": Unknown word.
6       aliqua. "aliqua": Unknown word.
7     </p>
8     <div className="py-20 flex flex-row md:w-[70%] gap-4">
9       {cardData.map((card, index) => ( "Cata": Unknown word.
10         <Card key={index} { ... card} />
11       ))}
12     </div>
13   </section>
14 );
15 };

```

Code 5 – Section2

```

33 const Section3 = () => {
34   return (
35     <section className="w-full relative □bg-white">
36       <span className="w-full h-40 -scale-y-100 absolute top-0 left-0 □bg-[#dde6e8] section-border-clip"></span>
37       <span
38         className="absolute inset-0 mr-40 pointer-events-none"
39         style={{
40           backgroundImage: "url(/workout1.png)",
41           backgroundSize: "auto 90%",
42           backgroundPosition: "right center",
43           backgroundRepeat: "no-repeat",
44         }}
45       ></span>
46       <div className="flex items-start md:p-40">
47         <div className="w-1/2 ■text-black flex flex-col items-start gap-10">
48           <h1 className="font-bold text-5xl uppercase">
49             Bring your performance to higher level
50           </h1>
51           <p>
52             Lorem ipsum dolor sit amet, consectetur adipiscing elit. "amet": Unknown word.
53             Sed do eiusmod tempor incididunt ut labore et dolore "eiusmod": Unknown word.
54             magna aliqua. "aliqua": Unknown word.
55           </p>
56           <button className="relative font-bold text-xl px-8 py-2 ml-6 group ■border-black border-2 skew-x-[-35deg]">
57             <span className="absolute top-0 left-0 w-0 h-full transition-all ■bg-black group-hover:w-full"></span>
58             <span className="block skew-x-[35deg] ■text-black □group-hover:text-white transition-all">
59               Know
60             </span>
61           </button>
62         </div>
63       </div>
64     </section>
65   );
66 };
67
68 export default Section3;
69

```

#### Code 6 – Section3

```

const Section4 = () => {
  return (
    <section className="w-full relative □bg-theme1">
      <span className="w-full h-40 -scale-100 absolute top-0 left-0 □bg-white section-border-clip"></span>
      <span
        className="absolute inset-0 ml-40 pointer-events-none z-0"
        style={{
          backgroundImage: "url(/workout2.png)",
          backgroundSize: "auto 80%",
          backgroundPosition: "left center",
          backgroundRepeat: "no-repeat",
        }}
      ></span>
      <div className="flex items-start flex-row-reverse p-10 pt-40 md:p-40 relative z-10">
        <div className="w-full md:w-1/2 flex ■text-black flex-col items-center md:items-start gap-10">
          <h1 className="font-bold □text-white text-5xl uppercase text-center md:text-left">
            Bring your performance to higher level
          </h1>
          <div className="text-center md:text-left">
            Lorem ipsum dolor sit amet, consectetur adipiscing elit. "amet": Unknown word.
            Sed do eiusmod tempor incididunt ut labore et dolore "eiusmod": Unknown word.
            magna aliqua. "aliqua": Unknown word.
          </div>
          <button className="relative font-bold text-xl px-8 py-2 md:ml-6 group ■border-black border-2 skew-x-[-35deg]">
            <span className="absolute top-0 left-0 w-0 h-full transition-all ■bg-black group-hover:w-full"></span>
            <span className="block skew-x-[35deg] ■text-black □group-hover:text-white transition-all">
              Know
            </span>
          </button>
        </div>
      </div>
    </section>
  );
};

export default Section4;

```

#### Code 7 – Section4

```

const Section5 = () => {
  return (
    <section className="w-full relative bg-theme4">
      <span className="w-full h-40 -scale-y-100 absolute top-0 left-0 bg-theme1 section-border-clip"></span>

      <div className="w-full grid grid-rows-2 place-items-center md:grid-cols-[45%_55%] md:px-24 pt-40">
        <div className="w-full flex flex-col gap-3 items-center md:items-start px-10 py-4 md:p-10 place-self-end">
          <span className="text-white font-bold text-2xl">
            Sign up to our newsletter
          </span>
          <span className="text-theme2 text-3xl font-bold">
            & get a 10% off voucher
          </span>
        </div>
        <div className="md:w-full items-center justify-start flex flex-row">
          <label className="border cursor-text border-white skew-x-[-35deg] text-white overflow-hidden px-4">
            <input
              type="text"
              className="skew-x-[35deg] bg-transparent border-none text-white w-80 text-lg p-2 focus-within:outline-none"
              placeholder="Enter Your Email"
            </input>
          </label>
          <button className="relative font-bold text-lg px-4 py-2 group border-theme2 border-2 skew-x-[-35deg]">
            <span className="absolute top-0 left-0 w-0 h-full transition-all bg-theme2 group-hover:w-full"></span>
            <span className="block skew-x-[35deg] text-theme2 group-hover:text-black transition-all">
              Submit
            </span>
          </button>
        </div>
      </div>
    </section>
  );
};

export default Section5;

```

Code 8 – Section5

```

const Navbar = () => {
  return (
    <nav className="w-full flex flex-row items-center justify-between py-10 px-52 border-b-2 border-b-theme2 border-do border-dotted bg-theme4">
      <a href="/" className="">
        
      </a>
      <div className="flex flex-row items-center justify-center uppercase text-xl">
        <a
          href="#"
          className="text-white hover:text-white/60 transition-all"
        >
          Home
        </a>
        <span className="w-px shrink-0 h-5 bg-theme1 mx-4"></span>
        <a
          href="#company"
          className="text-white hover:text-white/60 transition-all"
        >
          Company
        </a>
        <span className="w-px shrink-0 h-5 bg-theme1 mx-4"></span>
        <a
          href="#sport-stars"
          className="text-white hover:text-white/60 transition-all"
        >
          Sport stars
        </a>
        <span className="w-px shrink-0 h-5 bg-theme1 mx-4"></span>
        <a
          href="#products"
          className="mr-4 text-white hover:text-white/60 transition-all"
        >
          Products
        </a>
        <a
          href="#"
          className="mx-4 text-white hover:text-white/60 transition-all"
        >
          Contact
        </a>
        <a
          href="#"
          className="mx-4 text-white hover:text-white/60 transition-all"
        >
          Buy Now
        </a>
      </div>
    </nav>
  );
};

export default Navbar;

```

Code 9 – Navbar

```

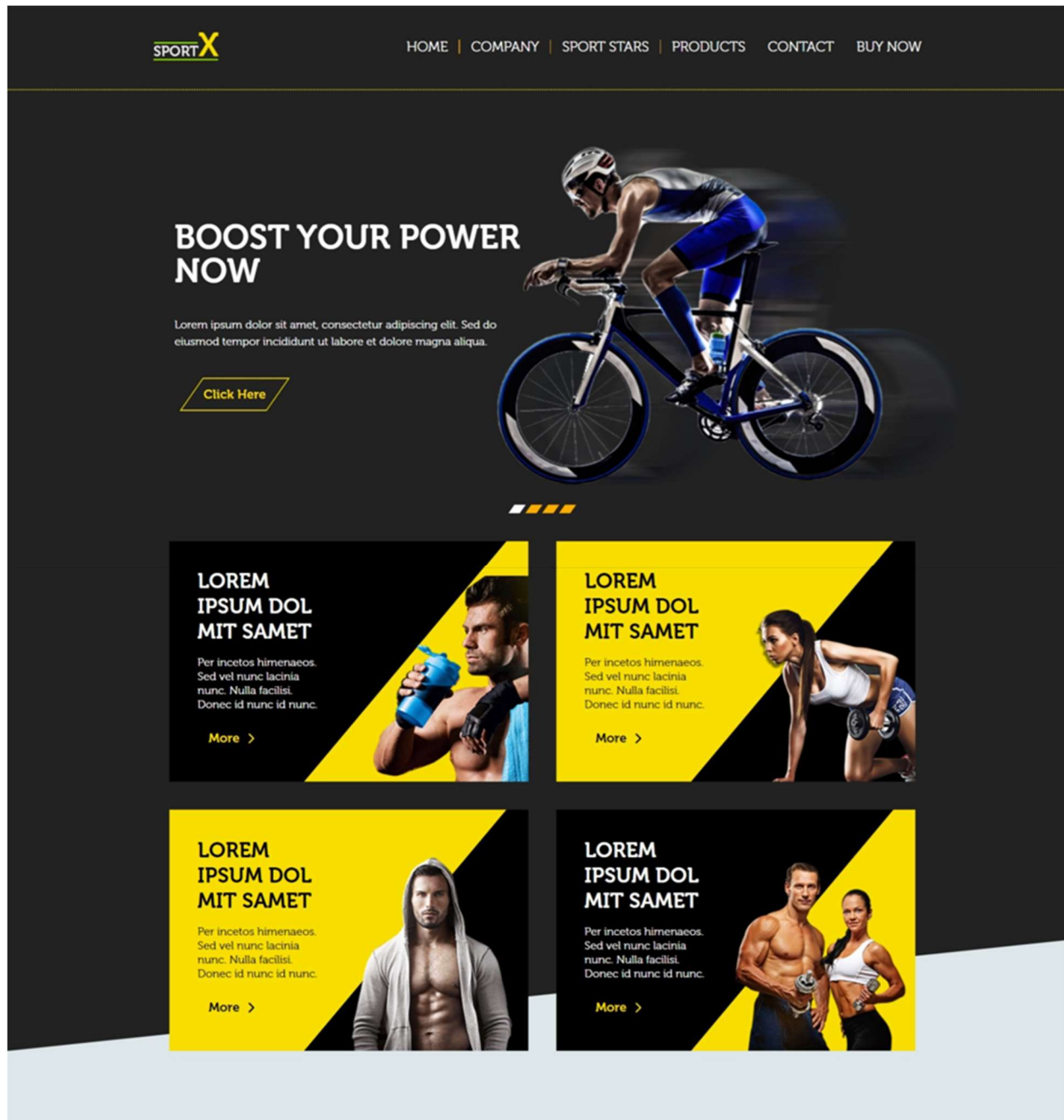
const Footer = () => {
  return (
    <footer className="relative bg-black">
      <span className="w-full h-40 -scale-100 absolute top-0 left-0 bg-theme4 section-border-clip"></span>
      <div className="navs flex flex-col lg:flex-row p-20 pt-40 lg:p-40 pb-10 gap-10"> "navs": Unknown wor
        <div className="max-w-full lg:max-w-md px-10 flex flex-col gap-10 items-start">
          <a href="/">
            
          </a>
          <p className="leading-5 text-sm">
            Magento provides different payment methods in order to "Magento": Unknown word.
            allow you to accept payments using different payment
            processors like Pay ... Magento provides different "Magento": Unknown word.
            payment nts using different payment processors like Pay
            ...
          </p>
        </div>
        {navItems.map((item) => (
          <div
            className="nav flex flex-row lg:flex-col gap-10 items-start px-4"
            key={item.type}
          >
            <h2 className="font-bold text-white min-w-32 lg:min-w-0">
              {item.type}
            </h2>
            <div className="flex flex-row lg:flex-col gap-4 lg:gap-1 items-start">
              {item.links.map((link) => (
                <a
                  key={link}
                  href="#"
                  className="py-1 text-white/50 hover:text-white/80"
                >
                  {link}
                </a>
              ))}
            </div>
          </div>
        ))}
      </div>
      <div className="p-6 text-center bg-[#111111]">
        Copyright 2077 by who All rights reserved.
      </div>
    </footer>
  );
};

```

Code 10 – Footer

## RESULT SCREENSHOTS

Preview available at





## EXPLORE THE NEWEST PRODUCT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore labore et dolore magna aliqua.



Blouse

\$27.00



Blouse

\$27.00



Blouse

\$27.00

## BRING YOUR PERFORMANCE TO HIGHER LEVEL

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Know



## BRING YOUR PERFORMANCE TO





## BRING YOUR PERFORMANCE TO HIGHER LEVEL

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Know

Sign up to our newsletter  
& get a 10% off voucher

Enter Your Email

Submit

**SPORT**X

Magento provides different payment methods in order to allow you to accept payments using different payment processors like Pay ... Magento provides different payment rts using different payment processors like Pay ...

#### Support

Facebook  
Twitter  
Google+  
Pinterest  
LinkedIn

#### My account

Sign In  
View Cart  
My Wishlist  
Check out  
Track My Order

#### Categories

Men  
Women  
Accessories  
Bags & Shoes  
Lookbooks

#### Categories

Men  
Women  
Accessories  
Bags & Shoes  
Lookbooks