

HorrorScopes

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Planning and Structure



Miro

Figma

Google Docs

Diagram.net

Kanban

A screenshot of a Kanban board titled "horror-scope" updated 3 hours ago. The board has three columns: "To do", "In progress", and "Done".

- To do:** 4 cards
 - Optimise Cute Home Page and add in riddle modal to go to Horror page. (Added by DanaMurali)
 - Logic for clicking on horror SVG's to lead them to correct zodiac description. (Added by DanaMurali)
 - add SVGs to database (so can access on calendarPage) (Added by jordan-s99)
 - Send email logic (free for all) (Added by hajeraR)
- In progress:** 5 cards
 - Make horror page look horrific. (Added by DanaMurali)
 - Fix CSS page/scroll issue (Added by jordan-s99)
 - homepage react (dar, haj, nag) (Added by hajeraR)
 - monthly page react (rose, Jordan) (Added by hajeraR)
 - descriptions page react (dar, haj, nag) (Added by hajeraR)
- Done:** 9 cards
 - make zodiac_description backend files (Jordan, hajera) (Added by hajeraR)
 - creating react components (Added by jordan-s99)
 - plan react components (darania) (Added by jordan-s99)
 - validate email method (rose, nagina, darania) (Added by hajeraR)
 - install react libraries (Added by hajeraR)

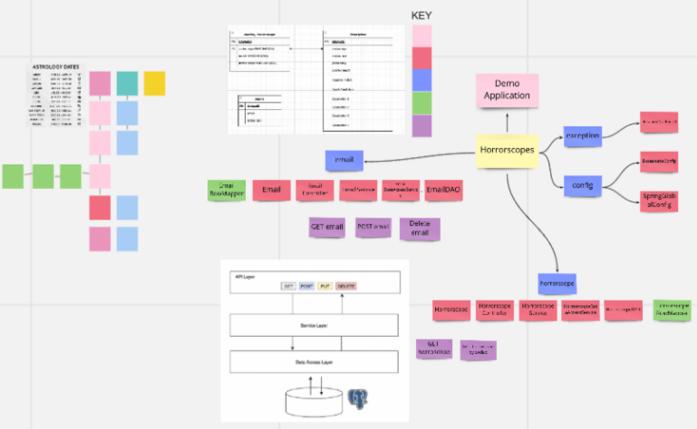
Filter cards

+ Add cards Fullscreen Menu

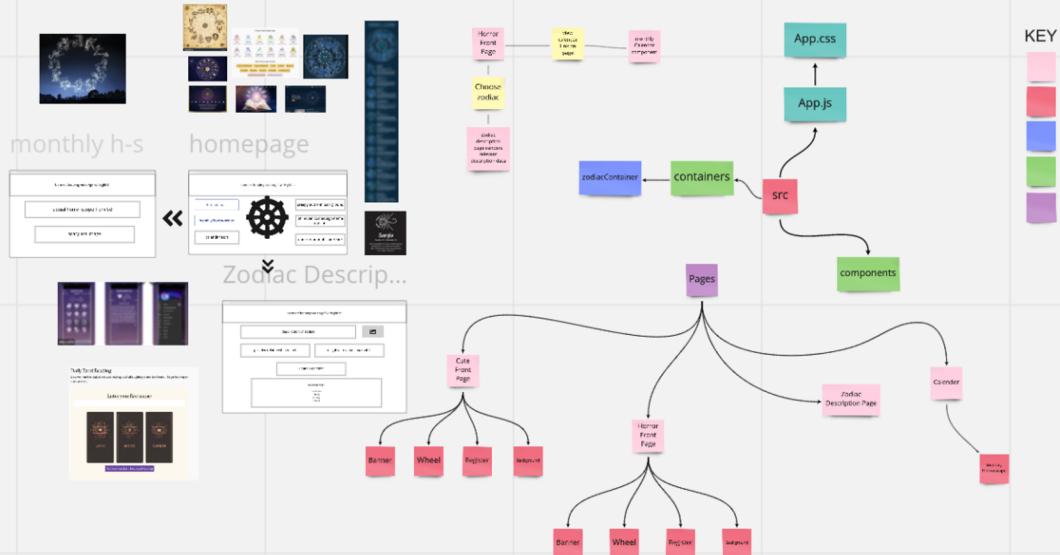


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Back-End

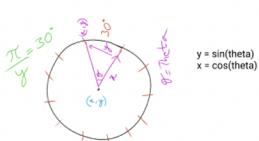


Front-End

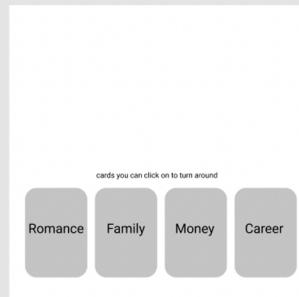




Frame 2



Frame 1



Frame 3



Frame 4



HORROR-SCOPES



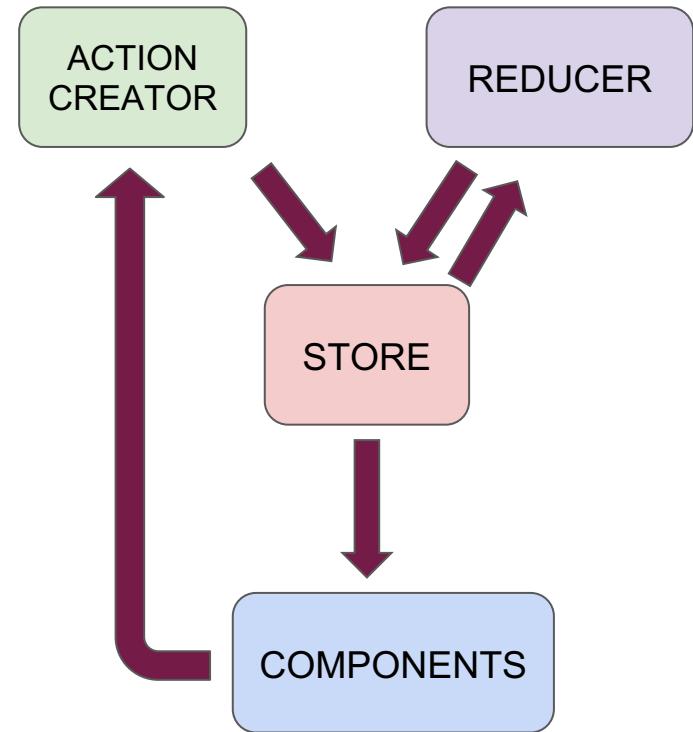
Back-End & Front-End

IntelliJ - Folder Structure

```
serverSide ~\bnta_capstone/serverSide
> .idea
src
  main
    java
      com.horror_scope.demo
        config
        emails
          Email
        EmailController
        EmailDAO
        EmailDataAccessServer
        EmailRowMapper
        EmailSender
        EmailSenderService
        EmailSentRowMapper
        EmailService
        EmailToSend
      exception
      horrorscope
      monthlyHorrorScopes
      HorrorScopeApplication
resources
  db.migration
    V1__InitTables.sql
    V2__VirgoDataInsert.sql
    V3__EditEmailTable.sql
  application.properties
```

VS Code - React Redux

```
src
  actions
    calendarActions.js
    descriptionsActions.js
    emailActions.js
  components
    # Calendar.css
    Calendar.js
    Description.js
    sendEmail.js
    SpookySubmit.js
    WarningModal.js
    cuteBackground
    horrorBackground
    pages
    reducers
      calendarsReducer.js
      descriptionsReducer.js
      index.js
```



React Router



```
const App = () => {
  return (
    <BrowserRouter>
      <Routes>
        <Route exact path="/" element={<HomePage/>} />
        <Route exact path="/descriptions/:zodiacSign" element={<ZodiacDescriptionsPage/>} />
        <Route exact path="/calendar" element={<CalendarPage/>} />
        <Route exact path="/horrorPage" element={<HorrorPage/>} />
      </Routes>
    </BrowserRouter>
  );
}
```

Descriptions Page

1. THE GET REQUEST

```
public Optional<HorrorScope> selectHorrorScopeByZodiacSign(String zodiacSign) {  
  
    String sql = """  
        SELECT * FROM descriptions WHERE lower(zodiacSign) = ?;  
    """;  
  
    return jdbcTemplate.query(sql, new HorrorScopeRowMapper(), zodiacSign)  
        .stream()  
        .findFirst();  
  
}
```

3. FETCH REQUEST RETURNING ONLY ONE ZODIAC AT A TIME

```
const { zodiacSign } = useParams();  
  
const dispatch = useDispatch();  
const { loading, descriptions, hasErrors } = useSelector(descriptionsSelector)  
useEffect(() => {  
    dispatch(fetchDescriptions(zodiacSign))  
}, [dispatch])
```

2. THE FETCH REQUEST

```
const response = await fetch(`http://localhost:8080/api/v1/horrorScope/${sign}`)
```

4. ERRORS FOR PARAMETERS THAT AREN'T VALID ZODIAC SIGNS.

```
return (  
    zodiacSign == "capricorn" || zodiacSign == "sagittarius" || zodiacSign == "scorpio" || zodiacSign  
== "libra" ||  
    zodiacSign == "virgo" || zodiacSign == "leo" || zodiacSign == "cancer" || zodiacSign == "gemini"  
|| zodiacSign == "taurus" ||  
    zodiacSign == "aries" || zodiacSign == "pisces" || zodiacSign == "aquarius" ?  
    (<body id="description_page">  
        <section>  
            <Link to="/horrorPage" className="homeLink"><AiOutlineHome className="home-icon"/></Link>  
            {renderDescriptions()}  
            <div class="stars"></div>  
            <div class="twinkling"></div>  
            <div class="clouds"></div>  
        </section>  
    </body>)  
    :  
    <div className = "errorPage">  
        <h1>404: Page not found</h1>  
        <a href="/horrorPage" ><AiOutlineArrowNarrowLeft /></a>  
        <div class="stars"></div>  
        <div class="twinkling"></div>  
        <div class="clouds"></div>  
    </div>  
)
```

Email Sender Service

```
public void sendSimpleEmail(String email,
                           String body,
                           String subject) {
    SimpleMailMessage message = new SimpleMailMessage();

    message.setFrom("horrorscopes226@gmail.com");
    message.setTo(email);
    message.setText(body);
    message.setSubject(subject);

    mailSender.send(message);
    System.out.println("Mail Sent...");
}
```

Email Controller

```
● ● ●

@PostMapping
public void addEmail(@RequestBody Email email) {

    emailService.addEmail(email.getEmail(), email.getZodiacSign(), email.getFirstName(),
email.getLastName());
    String MonthNow = LocalDate.now().getMonth().toString();

    System.out.println(MonthNow);
    List<EmailToSend> EmailBody = emailService.getEmailToSend();
    for (int i = EmailBody.size()-1; i >=0 ; i--){
        System.out.println(EmailBody.get(i).getMonth());
        if(EmailBody.get(i).getMonth().equals(MonthNow) ){
            service.sendSimpleEmail(email.getEmail(),
                "Good Morning " + email.getFirstName() + " " + email.getLastName() + ",\n\nThank you for subscribing to our HorrorScope Service! \n\nI see you are a " +
email.getZodiacSign() + "." + "\n\nAhh yes! The Orbs speak to us: " +
EmailBody.get(i).getPersonality()+"\nGreat adventures await you, have a look: \n" +
EmailBody.get(i).getHoroscope() + "\n\nBattles won and lost, we see your end near: " +
EmailBody.get(i).getDeathprediction() + "\n\nWhat a shame, so young and so much
potential wasted." + "\n\nThe spirits will welcome you with open arms." + "\n\nStay
Safe!" + "\n\nLove, \nThe HorrorScopes Team \n",
                "We're Watching You..." );
            break;
        }
    }
}
```

Wheel Carousel

Wheel Component



```
class Wheel extends React.Component {
  constructor(props) {
    super(props);

    this.state = {
      radius: 220,
      cards: [],
      theta: 0.0,
    }

    this.temp_theta = 0.0;
  }
}
```

Card Component



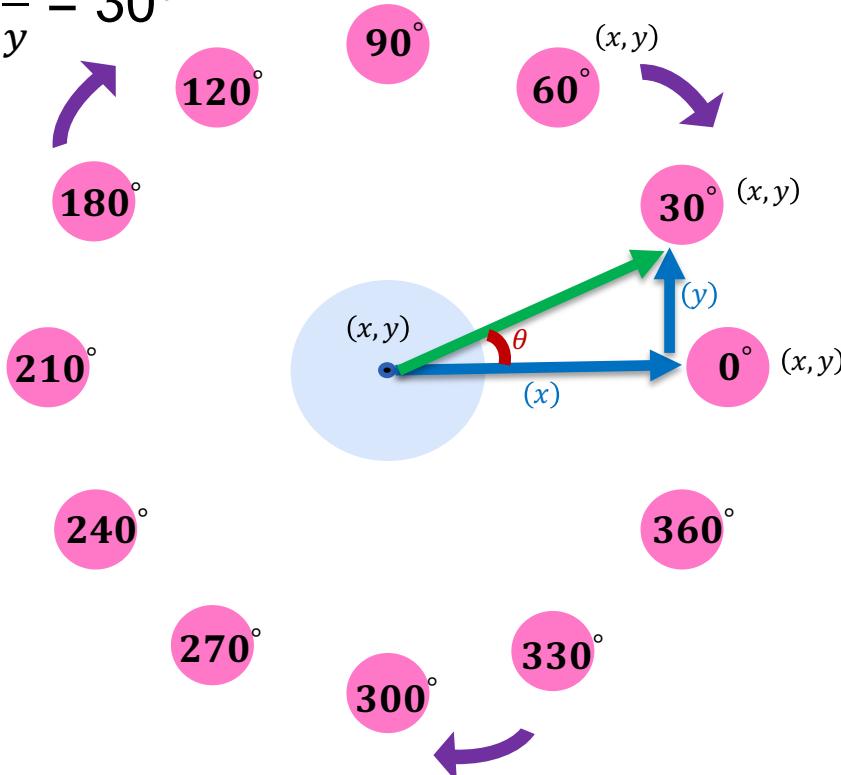
```
return (
  <div style={{
    ...styles.card,
    left: `${this.props.center.x + coord.x}px`,
    top: `${this.props.center.y - coord.y}px`
  }>

    <img className="zodiacs" alt="img" src=
{this.props.pic} style={styles.image} onClick={() =>
this.props.handleIconClick()}/>

  </div>
)
}
```

Some Trigonometry...

$$\frac{\pi}{y} = 30^\circ$$



```
get_coords = (theta, radius) => {
    return {
        x: Math.cos(theta) * radius,
        y: Math.sin(theta) * radius
    }
}
```

$\theta = \text{theta}$
 $x = \cos(\theta)$
 $y = \sin(\theta)$

```
let center_of_wheel = {
    x: parseFloat(this.wheel.style.width) / 2,
    y: parseFloat(this.wheel.style.height) / 2
}
let temp_cards = [];

for (let i = 0; i < 12; i++) {
temp_cards.push(  

<Card radius={this.state.radius}  

theta={((Math.PI / 6) * i)}  

center={center_of_wheel}  

key={`card_${i}`}
pic={`/Zodiacs/${i}-Zodiac.PNG`}
amLoaded={this.children_loaded}
clicked={this.props.clicked}
handleIconClick={() => this.props.handleClick()}/>  

);}  

this.setState({ cards: temp_cards });
}
```

$\frac{\pi}{6} = 30^\circ$

Calendar Page - Modals



```
const [chosenZodiac, setChosenZodiac] = useState("Virgo");
const [shownMonth, setShownMonth] = useState("");
const [calendarMonth, setCalendarMonth] = useState([]);

const dispatch = useDispatch();
const { loading, calendars, hasErrors } = useSelector(calendarsSelector);
useEffect(() => {
  dispatch(fetchCalendars())
}, [dispatch])

useEffect(() => {
  if (shownMonth != "") {
    setCalendarMonth([...calendars.filter(calendar =>
      calendar.zodiacSign === chosenZodiac &&
      calendar.month === shownMonth)])
  }
}, [shownMonth])
```



```
const chooseZodiac = (zodiac) => {
  setChosenZodiac(zodiac);
}

const chooseMonth = (month) => {
  setShownMonth(month);
}

const handleZodiacTitle = (event) => {
  setChosenZodiac(event.target.value);
}
```

DEMO



Mobile Responsiveness



w: 600px

w: 430px

The same landing page as above, but viewed on a smaller screen (430px). The "HOROSCOPES" title is smaller. The central "horror-wheel" is completely hidden. The layout is more compact, with the input fields and subscribe button all aligned horizontally at the bottom.

```
@media screen and (max-width: 430px) {  
    .cloudsHorror, .starsHorror,  
    .twinklingHorror {  
        display: none;  
    }  
    .input-container{  
        top: 0;  
        align-self: center;  
        display: grid;  
        grid-template-columns: 1fr 1fr;  
        grid-template-rows: 1fr 1fr;  
        margin-left: auto;  
        margin-right: auto;  
        margin-top: -75%;  
    }  
    .horror-wheel-div {  
        display: none;  
    }  
    .small-horror-zodiacs {  
        top: 20%;  
        width: 100%;  
        height: 60%;  
        display: grid;  
        grid-template-columns: 1fr 1fr;  
        grid-template-rows: 1fr 1fr 1fr  
        1fr 1fr;  
        align-items: space-around;  
        justify-content: center;  
        justify-items: center;  
    }  
    .small-zodiac-button {  
        background: rgb(224, 188, 248);  
        font-size: 15px;  
        cursor: pointer;  
        border: none;  
        padding: 0.5em 1em;  
        font-family: "Cinzel", cursive;  
        letter-spacing: 3px;  
        margin: 1.5rem 1rem 0 0.6rem;  
        border-radius: 5px;  
        width: 9rem;  
    }  
}
```

HoroScopes



VIRGO

JANUARY

FEBRUARY

MARCH

APRIL

MAY

JUNE

JULY

AUGUST

SEPTEMBER

OCTOBER

NOVEMBER

DECEMBER

RETURN TO HORRORPAGE

Future Direction

- Add admin features, including ability to add new horrorscopes from the frontend.
- Add user features, including ability to login and leave comments/likes on horrorscopes.
- Dynamic email subscriptions every month that a user could subscribe and unsubscribe to.
- Test frontend.
- Make every page fully mobile responsive.

References

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Thank You For Listening

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