# Project Sunshine: React version

## Priorities

1. Apis - Alun & Rachel
2. Notification - Rana
3. Registration & Login page - Myriam
4. General layout - (Myriam is happy to work on that with someone else)

## Data

**Register**

* Username
* Email
* Password
* Confirm password

N.b. unique email

**Login**

* Email
* Password

**Weather**

* Device location if agreed = latitude & longitude
* If not Manchester default city
* Reminder is just the time
* Reminder time sent to database
* Reminder half an hour before
* Reminder at time itself

Maps

* Device location if agreed = latitude & longitude
* If not City Manchester

Ratings

* Need to be saved on backend
  + integer between 1-5
  + timestamp of rating

## 

## React Data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Source** | **Data** | **Further processing** | **Where displayed** | **State/Props** | **Notes/Queries** |
| Login status | Backend from database | Name  Id from database | no | WeatherPage, WalksPage, individual walk - name of person in title? | State in App?  Need to have id for user to fetch other data, e.g list of stored walks |  |
| Weather | api | Time  Weather  temperature |  |  |  |  |
| Maps | Backend from database  Url of map? | Map name  Url name | no | IndividualWalkPage,  WeatherPage | Map name v. walk name? |  |
| List of walks | Backend from database | map/walk name  Url of map  Walk id  Id of user  Average rating | Get average rating per walk - do on backend & pass to frontend | WalksPage |  |  |
| Walk ratings | Backend from database |  | Get ave  rage rating per walk - do on backend & pass to frontend | WalksPage  IndividualWalkPage |  |  |
| Reminder | On database? | Time & date? |  | Weather page |  | Need to think about how to alert in the future |

## React Components

To fit with Bootstrap: each component to have:

* Outer div - class=”row”
* Inner div - class=”col” (or several cols depending on the structure
  + All content from the component to go in here

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Parent** | **Children** | **State** | **Props** | **Comments/Queries/To Do** | **Team member** |
| App | index.js | All other components |  |  |  | Rachel, Alun |
| NavBar | App |  |  |  | Add home page link  Layout - mobile view it disappears  Layout - positioning of navbar needs to be improved  Display navbar if userId available  Needs to be centered on no-mobile screens  List of links:   * Remove ‘location’ * Add ‘Home’ |  |
| WelcomePage | App | Button |  |  |  | Rachel |
| RegisterPage | App | Form  Button |  |  | Back button to home page | Myriam |
| LoginPage | App | Form  Button |  |  | Back button to home page | Myriam |
| AddRatings | App or Individual Walks page? |  |  |  | We need some way of adding a rating for a walk |  |
| AddWalk | App or Individual Walks page? |  |  |  | We need some way of adding a new walk - with a form or another way? |  |
| WeatherPage | App | Map  WeatherDisplay  Button | Weather | Location | Fetch weather data on this page based on location?  Is this the “home” page is already logged in, e..g with cookies  Remove add walk button  Get to display properly  Geoloation hanldign if not agreed | Rachel |
| MyWalksPage | App | RatingsBar | Array of average ratings for each walk |  | Fetch weather data on this page based on location?  Is this the “home” page is already logged in, e..g with cookies | Rana |
| IndividualWalkPage | App | Map  RatingsChart  RatingsBar | Array of ratings over time for walk  Array of average ratings for this walk |  | Fetch from backend on this page & update state based on walk & user? | Alun |
| CreateWalkPage | App |  |  |  | Need to know re api then create it |  |
| 404Page & ErrorPage  Same pag | App | Message |  | Error message | Could 404 & error be same component page & pass in title & message? | Rana |
|  | App | Message |  | Error message | Could 404 & error be same component page & pass in title & message? | Rana |
| Form | Various pages:  -RegisterPage  -LoginPage  -UpdateProfilePage | LabelInput  Button |  | * OnClick methos * Name of input labels | Aim is to use for:   * Login page * Register page * Update profile page * Add new rating   Need to have   * You are already registered * Pop up on bottom of screen when checked against database | * Myriam |
| FormInput | Form |  |  |  |  | Myriam |
| Button | Various pages:  -Welcome  -Register  -Login  -Update profile  -Weather  - My walks  - Individual walk |  |  | * Button name * onClick method | No | Rachel & Myriam |
| ButtonContainer | Form  Various pages |  |  |  | Not implementing this now | Rachel & Myriam |
| JavascriptMap | Weather page |  |  |  | Fetched from google api | Alun |
| WeatherDisplay | WeatherPage |  | * Current weather for location ? * Reminder information | * Current weather for location ? | Fetch data on this page? | Rachel |
| Walks | MyWalksPage | RatingsBar |  |  |  | Rana |
| RatingsBar | MyWalksPage  IndividualWalkPage |  |  | Number of stars to display |  | Rana |
| Message | ErrorPage  404Page |  |  | Message to display |  | Rana |
| RatingsChart | IndividualWalkPage |  |  | Array of ratings & dates |  | Alun |
| ProfiePage |  |  |  |  | For future developments |  |
| MyWalksPage | App | RatingsBar | Array of average ratings for each walk |  | Clickable to individual walk page for each walk  Create new walk button - need research on api for routes | Rana |
| IndividualWalkPage | App | Map  RatingsChart  RatingsBar | Array of ratings over time for walk  Array of average ratings for this walk |  | Fetch from backend on this page & update state based on walk & user?  Add rating - when clicked saved on backend  Layout of divs containing elements & positioning | Alun |
| Footer | App |  |  |  |  | Myriam/Rachel |

## React Frontend Styling

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## Colour Scheme

N.b. some may be approximations as using Bootstrap



## Styling common to all pages

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name/Description** | **HTML element** | **Colour** | **HTML/CSS element/Class name** | **Other characteristics** | **Responsiveness** |
| Colour of page background | body | White #FFFFFF | .body |  | all |
| Page Layout/Responsiveness | Inside body element  Below where navbar will go.  Header then...  divs- using grid hierarchy:   * Container (App only) * Row * Column   content   * Column   content  One row can have up to 12 columns  <https://getbootstrap.com/docs/5.0/layout/containers/>  <https://getbootstrap.com/docs/5.0/layout/grid/>  <https://getbootstrap.com/docs/5.0/layout/columns/> | Various in the colour scheme | Bootstrap .container element to be the outer structure: <https://getbootstrap.com/docs/5.0/layout/containers/>  Then inside this, you use the | All outer content for mobiles should be 1 column as to be displayed vertically.  N.b. you can have a row inside a column & further columns for inner elements if necessary.  If necessary, can add more columns to place items horizontally at larger viewports. | Breakpoints - bootstrap starts at mobile size & increases:  <https://getbootstrap.com/docs/5.0/layout/breakpoints/>  Also see how Bootstrap utilises media queries: - same link as above.  You can change the number of columns at different breakpoints:   * .d-{value} for xs * .d-{breakpoint}-{value} for sm, md, lg, xl, and xxl.   See the docs:  <https://getbootstrap.com/docs/5.0/utilities/display/> |
| Title of page | H3  On larger media change font size to h2  On larger media increase padding-bottom | Spanish Blue #296EB4 | H3 -> h2, “heading heading--main  ” |  | Start with h2 for mobile & once on screen may need to start smaller (e.g H3) & increase with media queries for different viewports |
| Other titles-next level | H3  On larger media change font size to h4 | Spanish Blue #296EB4 | H3 -> h2, “heading heading--secondary” |  | Start with h2 for mobile & once on screen may need to start smaller (e.g H3) & increase with media queries for different viewports |
| Other titles - further levels | H4, H5 etc | Spanish Blue #296EB4 | H4, h5 etc heading heading--tertiary” |  | Resize in line with larger titles |
| Forms | <https://getbootstrap.com/docs/5.0/forms/overview/> | Border: Dodger Blue #1789FC (matches buttons)  Background: white  #FFFFFF  Labels: Spanish Blue #296EB4 |  |  | Need to read docs to work out how to put labels above for mobile & at side for wider screens |
| Buttons | Button | Dodger Blue #1789FC (Bootstrap so similar to this) | Bootstrap primary button:  <https://getbootstrap.com/docs/5.0/components/buttons/>  btn btn-primary | * For bigger sized screens, may need to change size. See ‘sizes’ in button section * Use button group if two buttons together - see docs * N.b. once using React, can consider setting some buttons to ‘disabled’, e.g. until all sections of form completed * Same for toggle states * Make buttons near to each other when on same row on extra large break poin (needs to research doc)t |  |
| Navbar | <div> - check if specific html element | Links background in Dodger Blue #1789FC | Bootstrap:  <https://getbootstrap.com/docs/5.0/components/navbar/> |  |  |
| Borders for tables, pictures, graphs etc | <div> | Spanish Blue #296EB4 |  |  |  |
|  |  |  |  |  |  |

## Responsiveness resources

Screen sizes of different phones

<https://react-bootstrap.netlify.app/layout/grid/#responsive-grids>

## <https://screensiz.es/phone>