# Project Sunshine: React version

## 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 |  |  |  | As only displaying “best” times for a walk, need to decide a threshold - e.g. what if raining all day??? |
| 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 average 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** | **Team member** |
| App | index.js | All other components |  |  |  | Rachel, Alun |
| WelcomePage | App | Button |  |  |  | Rachel |
| RegisterPage | App | Form  Button |  |  |  | Myriam |
| LoginPage | App | Form  Button |  |  |  | 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  Suggested changes (subject to discussing with Heather):   * **Either** remove remind me button & set reminder just by clicking on the time/weather * **Or** also add drop down for all walks to also choose a walk & have reminder for both walk & time * **And** remove “my Walks” button as available in navbar & on mobile content already off the screen. | 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 |
| 404Page | App | Message |  | Error message | Could 404 & error be same component page & pass in title & message? | Rana |
| ErrorPage | 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 |  | Rachel & Myriam |
| ButtonContainer | Form  Various pages | Button (only if more than 1?) |  |  |  | Rachel & Myriam |
| Map | Various pages:  - Weather  - Individual page |  | * Url of map based on inputted location/walk? | * Url of map based on inputted location/walk? | Need to work out where fetch url of map to display | 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 |  |  |  |  | Do we need this?/or is this the update profile page? |  |
| LoginPage | App | Form  Button |  |  |  | Myriam |
| 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 |
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| 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>