Healthomat React Components explained

Components:
- ==UI components==
- ==LabResults and children==
- ==Reservation and children==
- ==DoctorProfile and children==

For UI I composed several UI components like Button, Card, Icon, Input, Wrapper which I explain.

Button:

Button component is a button element which accepts children as props and also classnames and an onclick prop function to be called on every click. For custom styling I used the tailwind css custom colors I defined like Primary 900 and primary-500 colors in tailwind.config.js file to give it some basic colors based on pre defined colors. Pretty simple.

Card:

Card is also a wrapper component that extends a div container element to have rounded edges and background of determined and also a shadow. Its props are className and enableShadow which enableShadow renders a box shadow behind the Card element.

Icon:

Icon is a conditional component which accepts 3 props, classname, style(which is optional) and also icon. This module exports an IconList which is an enum that has pre defined icons to use while taking advantage of. For example checkmark and Instagram icons are contained in the list and you may pass them as icon prop to it to determine which icon you want to use. With further needs of icons the consumers would add icons to the list.

Input:

Input is also an UI component that wraps a div containing label and input html elements. With some basic stylings.

Wrapper:

I composed a Wrapper component which is a basic container that wraps the children with max width of tailwind 6xl. Not to let content of page overflow this size in big screens.
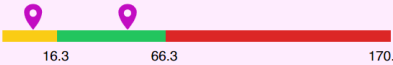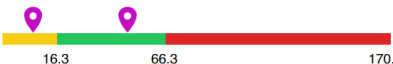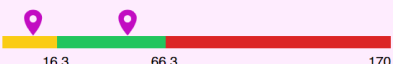
LabResults:

Lab results is the page for a Lab test with different segments. Consisting of TestSegment component.

TestSegment:

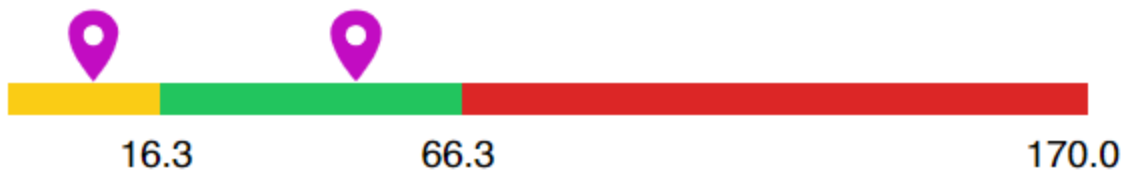**This is the component that has a table inside and shows the different properties of a lab test**

And also the ResultBars for each result.

Company	Contract	Country	blood	color	sex	bar
Alfreds Futterkiste	Maria Anders	Germany	red	red	blue	16.3 66.3 170.0
Centro comercial Moctezuma	Francisco Chang	Mexico	red	red	blue	16.3 66.3 170.0
Centro comercial Moctezuma	Francisco Chang	Mexico	red	red	blue	16.3 66.3 170.0

ResultBar:

The result bar is simply a component that accepts a list of BoxProps(a data type for each color box) and renders the list items.

Box:

This Box component is simply the colored box that accepts BoxProps as Box which has a startRange, range and status and also an optional pinLocation.

- startRange is number that should be printed as the starting value of the box
- range is the width of that box so the end point would be startRange + range
- status is simply a Hex color that is exported by BoxStatus enum that determines the color of box (wether green(ok), yellow(warning) and red(danger))
- pinLocation is the location of the pin icon to be displayed along all the box

the important question you might have is that how is are the units of different items is handled so that the whole box is compiled well. Well, the values given can be in any unit like (mg/dl), the important part is the ratio of each box and the portion each box has. So that the overall Box is.

Reservation:

Reservation module or component is for booking an appointment with an specific doctor in specific times. (for yourself or others)

It uses an state for determining users step.(1,2,3,4) and it's off course a number. The it utilizes a handleBackwardClick function to handle the backward movement in booking process.

So the overall layout of the component is a card wich has different segments. Each segment is a ReserveItem Component.

ReserveItem:

this item has an icon of either step number or checkmark(means success). And also an step title which accepts props:

- **title: string**
- **children: React.Node**
- **step: number**
- **currentStep: number**
- **onBack: () => void**

I have composed a helper component named ReserveItemTitle side by side of the ReserveItem. It actually takes care of the title and icon of the ReserveItem

Then the children passed by the props is rendered below the ReserveItemTitle.

ReserveForm:

This component is responsible for rendering the form element by taking advantage of Input UI element. And also it defines an state that determines for whom to book an appointment

ReserveTimeTable:

This component is responsible for the time table booking. When a client clicks on a cell of time(represented by RererveTimeCell) the ReserveTimeItems of clicked cell will be shown below the cell.

There is a list of objects for declaring the table times and days and also they are expected to have an ID.

```
{
  id: 1,
  day: "چهارشنبه",
  date: "1401/02/21",
  times: [
    { time: "14:20", time_id: 1 },
    { time: "15:20", time_id: 2 },
    { time: "16:20", time_id: 3 },
  ],
},
```