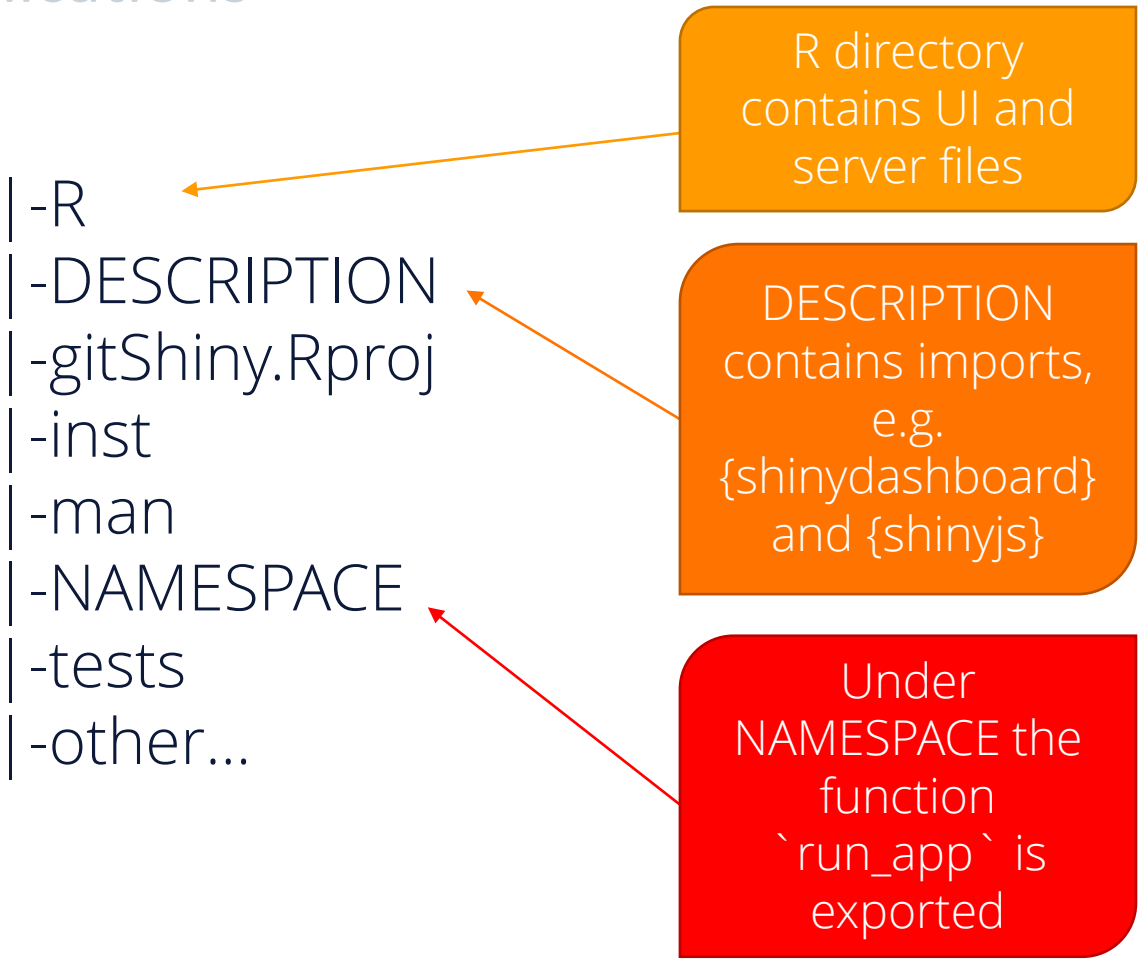
{golem}

an opinionated framework for building production-grade shiny applications



{golem}

```
|-R
  |- app_server.R
  |- app_ui.R
  |- run_app.R
  |- mod_set_up.R
  |- mod_working_with_files.R
  |- mod_...
  |- other...
|-DESCRIPTION
|-gitShiny.Rproj
|-inst
|-man
|-NAMESPACE
|-tests
|-other...
```

app_ui.R is back-bone structure; app_server.R contains the app logic

run_app.R is the package's exported function which launches the app

Each page in the app has its own module which contains the UI and server components

{shinyjs}

improve your app without needing to know JavaScript

```
dashboardPage(
    dashboardHeader(…),
    dashboardSidebar(…),
    dashboardBody(
        shinyjs::useShinyjs(),
        …)
)
```

Somewhere in the UI call `shinyjs::useShinyjs()` to use {shinyjs} functionality

{shinyjs}

enable and disable action buttons

```
observe({
      if (counter$countervalue < 9){
         shinyjs::enable("next_button")
      } else {
         shinyjs::disable("next_button")
      }
})
```

OR

```
observe({
      shinyjs::toggleState("next_button",
                           condition = counter$countervalue < 9)
    })
```

{shinyjs}

hide and show action buttons

```
observe({
      if (counter$countervalue < 9){
         shinyjs::show("next_button")
      } else {
         shinyjs::hide("next_button")
      }
})
```

OR

```
observe({
      shinyjs::toggle("next_button",
                      condition = counter$countervalue < 9)
    })
```

{shinyjs}

custom JavaScript

Can use the function **`shinyjs::runjs()`** to run own JavaScript.

For example, when navigating to the next page using the bottom navigation bar, we want the top of the page to be displayed:

```
shinyjs::runjs("window.scrollTo(0, 0)")
```

Other shiny extensions

some examples

- {shinyWidgets} – provides custom widgets, e.g. switches, checkboxes
- {shinyAlert} – create pop up messages
- {shinytest} – automated testing for Shiny apps
- {shinytableau} – create Tableau dashboard extensions
- {plotly} – interactive plots
- {leaflet} – interactive maps
- Any many many more….