

Package Development Lab Day 1

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Create a package

1. Create the package

```
library(devtools)
# adjust the path as you wish, just don't create a package
# inside another project, package, or repo
create_package("~/covidtime")
```

2. Create the following function and save it as `day.R` in the R folder:

```
whatdayisit <- function() {
  format(Sys.Date(), "%A, %B %d, %Y")
}
```

3. Run:

```
library(devtools)
load_all()
```

4. Test the function:

```
whatdayisit()
```

5. Make some changes and repeat 3. and 4.

Document and install

1. Edit DESCRIPTION

It should look something like this, with *your* name and email address. *Don't remove what looks like an extra comma in Authors@R.*

```
Package: covidtime
Title: Helps reduce pandemic induced temporal disintegration
Version: 0.0.0.9000
Authors@R:
  person("first", "last", , "first.last@example.com", role = c("aut", "cre"))
```

Description: Tools for regaining temporal orientation.
License: 'use_mit_license()', 'use_gpl3_license()' or friends to pick a
license
Encoding: UTF-8
Roxygen: list(markdown = TRUE)
RoxygenNote: 7.1.2

2. Open `day.R`. Put the cursor inside the function and click “Code... Insert Roxygen Skeleton”. Add to the documentation so it looks something like this:

```
#' Returns the current day and date nicely formatted  
#'  
#' @return character string with day and date  
#'  
#' @export  
#'  
#' @examples  
#' whatdayisit()  
#'
```

3. Run:

```
devtools::document()
```

4. Run:

```
devtools::install()
```

5. Close the project and try using your package!

```
library(covidtime)  
whatdayisit()
```