# The `NAMESPACE` file defines the API

NAMESPACE

```
export("fData<-")
export("pData<-")
export("principal_graph<-")
export("principal_graph_aux<-")
…
export(size_factors)
export(top_markers)
exportClasses(cell_data_set)
exportMethods("fData<-")
exportMethods("pData<-")
…
exportMethods(pseudotime)
import(ggplot2)
importClassesFrom(S4Vectors,List)
importFrom(S4Vectors,"metadata<-")
importFrom(S4Vectors,SimpleList)
importFrom(S4Vectors,metadata)
importFrom(SingleCellExperiment,"reducedDim<-")
importFrom(SingleCellExperiment,"reducedDims<-")
importFrom(SingleCellExperiment,SingleCellExperiment)
```

Monocle functions that become visible to the user

Functions from other packages that become visible

# "Vignettes" contain tutorials and user guides

`vignettes/monocle3-basics.Rmd`

````
---
title: "Monocle3 Basics"
author: "Cole Trapnell"
date: "`r Sys.Date()`"
output: rmarkdown::html_vignette
vignette: >
  %\VignetteIndexEntry{Vignette Title}
  %\VignetteEngine{knitr::rmarkdown}
  %\VignetteEncoding{UTF-8}
---

```{r setup, include = FALSE}
knitr::opts_chunk$set(
  collapse = TRUE,
  comment = "#>"
)
```

```{r}
library(monocle3)
library(ggplot2)
```

```{r}
cds <- load_a549()
```

```{r}
cds <- preprocess_cds(cds, num_dim = 20)
```

```{r}
plot_pc_variance_explained(cds)

```
````