





READ EACH COMMENT AND ONLY BUNDLE TESTED

**SINGLE APPLICATIONS**

## ► Upside

No circular dependencies!

Clear naming

Clear domain

Easy to read

Easy to maintain

Easy to evolve





























































































































































































































































































































































































































 application

 src

 main

 java

 allocations

☐ Allocation.java

☐ AllocationController.java

☐ AllocationDAO.java

 backlog

☐ Story.java

☐ StoryController.java

☐ StoryDAO.java

 timesheets

☐ TimeEntry.java

☐ TimeEntryController.java

☐ TimeEntryDAO.java

☐ App.java



AllocationController.java











Allocation.java





Apprija



TimeEntryController.java













































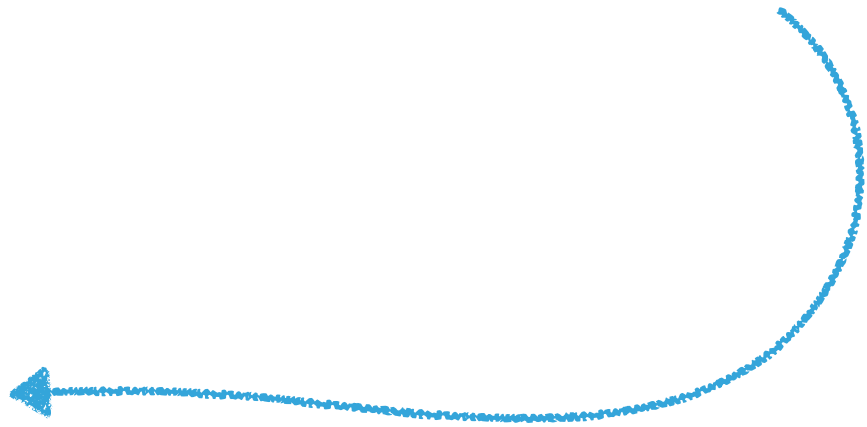












ALLOCATIONS

BACKLOG



TIMESHEETS

USER































































































































































































































































































 components

 allocations

 backlog

 timesheets

 src

 main

 java

 TimeEntry.java

 TimeEntryController.java

 TimeEntryDAO.java

 build.gradle

 settings.gradle



build.gradle

 application src main java App.java

Note: the **build declares dependencies**  
and component builds have nothing but  
dependency selections

No circular dependencies ;) )

 user src main java User.java build.gradle

BUILT FIRST

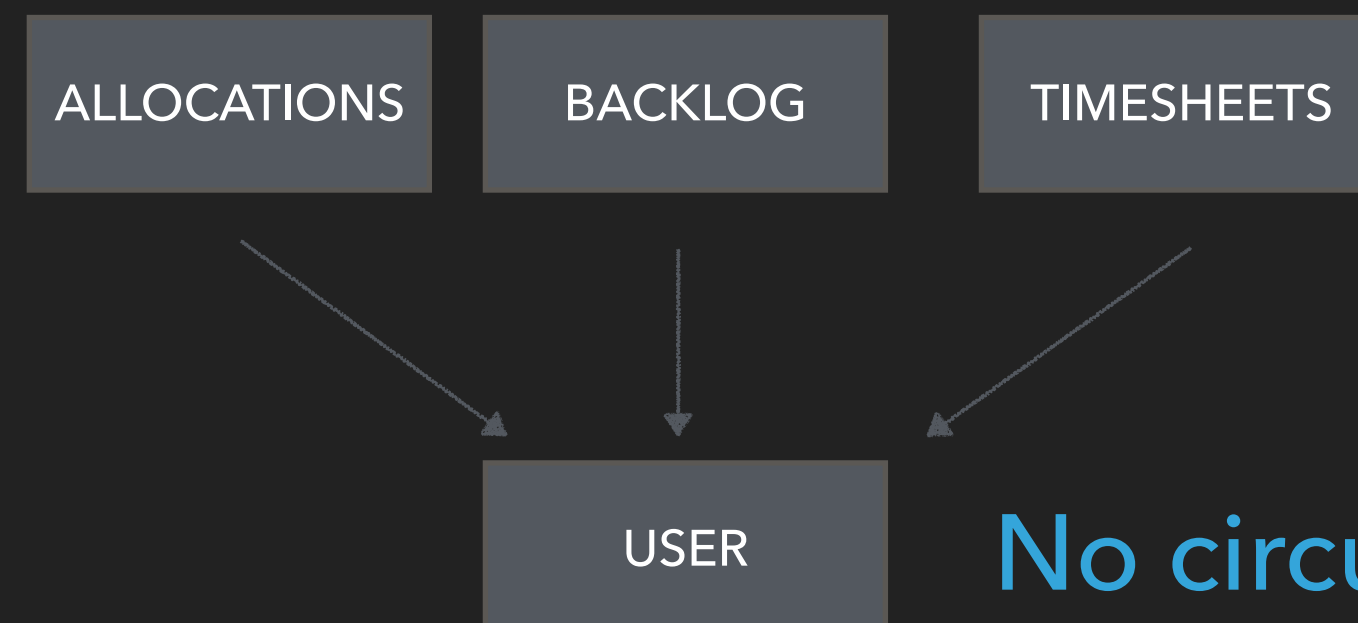


**BUILT SECOND**

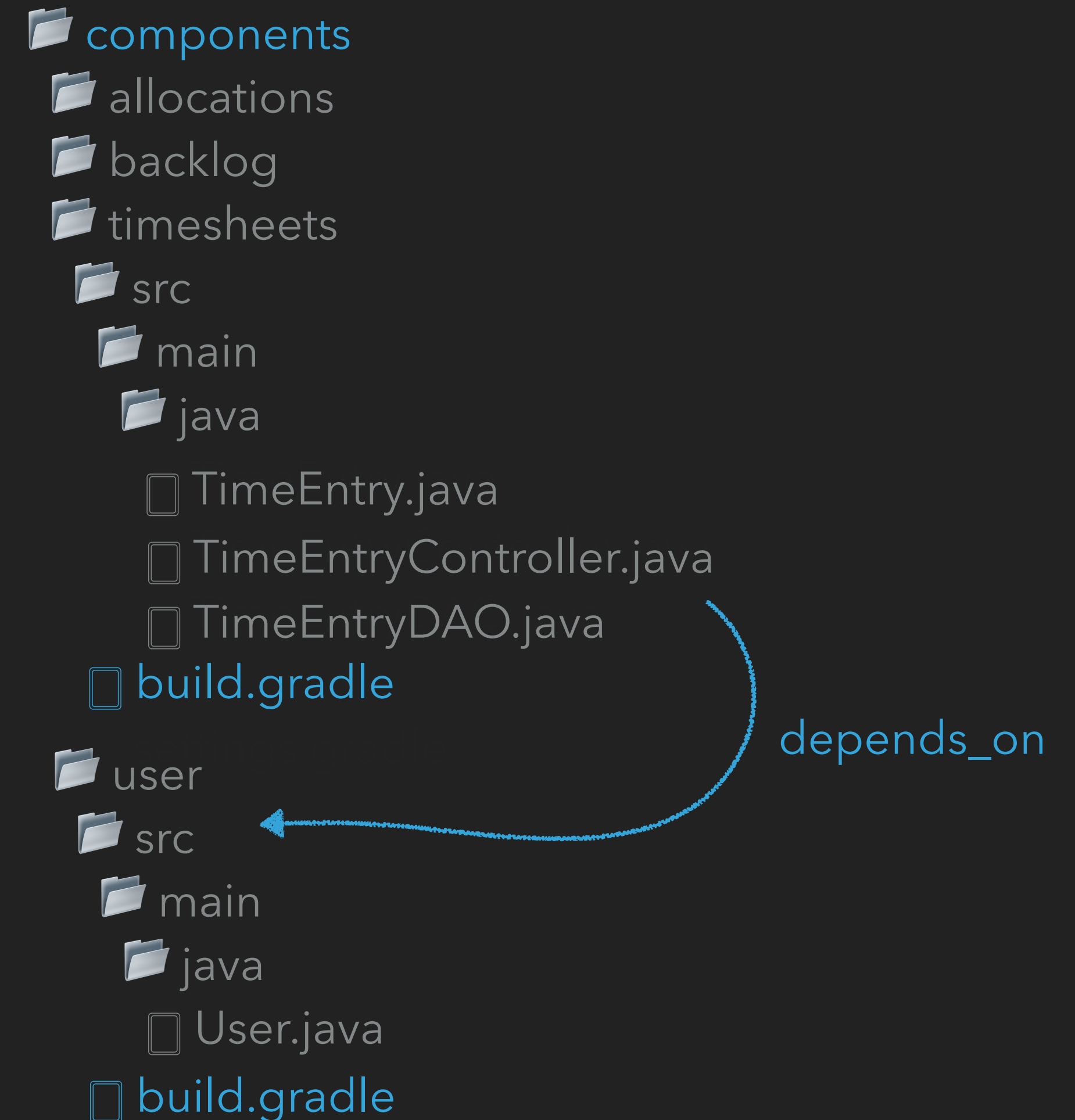
EACH COMPONENT IS INDIVIDUALLY BUILT AND TESTED

# SINGLE APPLICATION AND COMPONENTS

- Upside
  - No circular dependencies!
  - Clear naming
  - Clear domain
  - Easy to read
  - Easy to maintain
  - Easy to evolve



No circular dependencies ;)



# MULTIPLE APPLICATIONS, COMPONENTS AND SERVICES



- application
  - src
    - main
      - java
        - App.java
  - components
    - accounts
    - allocations
    - backlog
    - jdbc-support
    - projects
    - rest-support
    - timesheets
    - users
    - databases