

# [CS304] Lab02 Software Process

## Part 1 Github-Project Management

We can use github to manage our project schedule.

The image shows two screenshots of the GitHub interface. The top screenshot displays the repository page for `sustech-cs304` on GitHub. A red box highlights the repository `team-project-testdemo`, which is marked as `Private` and was created by GitHub Classroom. Below it, another repository `milestone1-individual-report-tian20230212` is shown, also marked as `Private`. The bottom screenshot shows the `Projects` tab for the `team-project-testdemo` repository. A red box highlights the `Projects` tab in the navigation bar. Below the navigation bar, a banner reads "Welcome to the all-new projects" and describes the new project management features. A red box highlights the `New project` button in the bottom right corner. The main content area shows a list of projects, including "Initial concept art" and "Engine prototype (physics, rendering)".

https://github.com/sustech-cs304

Find a repository... Type Language Sort New

**team-project-testdemo** Private  
team-project-testdemo created by GitHub Classroom  
☆ 0 Fork 0 Watch 0 Updated 16 minutes ago

**milestone1-individual-report-tian20230212** Private  
milestone1-individual-report-tian20230212 created by GitHub Classroom  
☆ 0 Fork 0 Watch 0 Updated yesterday

**Teedy** Public template  
Lightweight document management system packed with all the features you can expect from big expensive solutions  
JavaScript ☆ 0 GPL-2.0 Fork 228 Watch 0 Updated last week

https://github.com/sustech-cs304/team-project-testdemo/projects?query=is%3Aopen

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

sustech-cs304 / team-project-testdemo Private Watch 1 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Security Insights

**Welcome to the all-new projects**  
Built like a spreadsheet, project tables give you a live canvas to filter, sort, and group issues and pull requests. Tailor them to your needs with custom fields and saved views.  
Learn more

is:open New project

Provide quick access to relevant projects.  
Add projects from your organization to view them here.

🔒 test0215

View 1 View 6 + New view

Filter by keyword or by field

The Kanban board is divided into three columns, each with a header and a list of items. The 'Todo' column has a green header with a count of 4 and contains four items with green circular icons. The 'In Progress' column has a yellow header with a count of 1 and contains one item with a yellow circular icon. The 'Done' column has a purple header with a count of 1 and contains one item with a purple circular icon. Each item card includes a title, a description, and a small icon of two people. A vertical scrollbar is visible on the left side of the 'Todo' column. At the bottom of each column is a '+ Add item' button.

Column	Count	Item
Todo	4	team-project-testdemo #1 member organization
		team-project-testdemo #3 confirm target clients
		team-project-testdemo #4 discuss with clients
		team-project-testdemo #7
In Progress	1	team-project-testdemo #5 study CS304 course and learn how to start a real project.
Done	1	team-project-testdemo #6 confirm course schedule(Tuesday 5-6)

test0215

team-project-testdemo #8

## develop system #8

 **Open** tian20230212 opened 28 minutes ago


 tian20230212 28 minutes ago

No description provided

 Preview

Leave a comment

**M↓** Markdown is supported

 Paste, drop, or click to add files
Close issue

### Assignees

## Labels

### Milestone

### Status

Linked pull requests

No linked pull requests

Repository

 team-project-testdemo

开始时间

Mar 16, 2023

结束时间

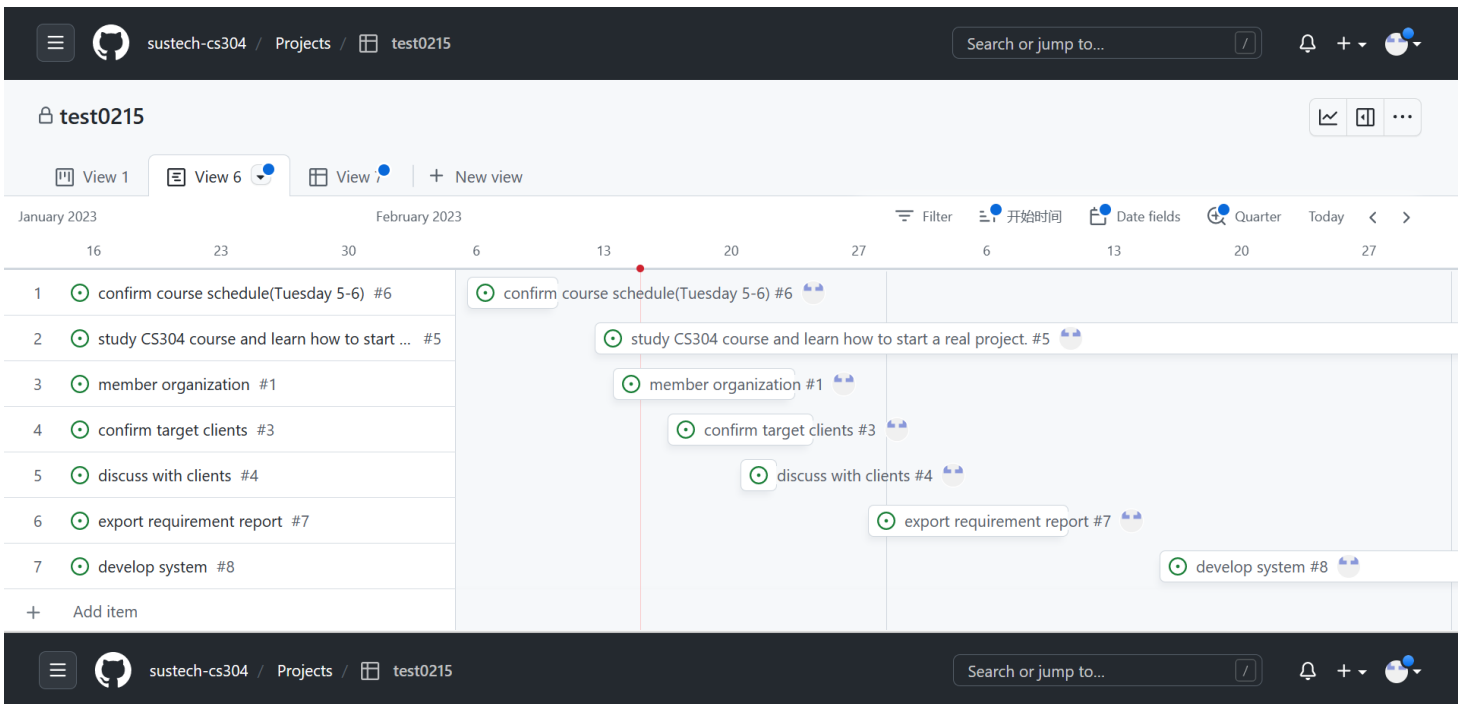
May 11, 2023

Priority

High

Edit

Edit



Title	Assignees	Status	开始时间	结束时间	Milestone	Pr
1 member organization #1	tian20230212	Todo	Feb 14, 2023	Feb 23, 2023	milestone 1	
2 confirm target clients #3	tian20230212	Todo	Feb 17, 2023	Feb 24, 2023	milestone 1	
3 discuss with clients #4	tian20230212	Todo	Feb 21, 2023	Feb 22, 2023	milestone 1	
4 export requirement report #7	tian20230212	Todo	Feb 28, 2023	Mar 10, 2023	milestone 1	
5 study CS304 course and learn how to start a real proje... #5	tian20230212	In Progress	Feb 13, 2023	Jun 17, 2023	milestone 3	
6 confirm course schedule(Tuesday 5-6) #6	tian20230212	Done	Feb 6, 2023	Feb 10, 2023	milestone 1	
7 develop system #8	tian20230212	Todo	Mar 16, 2023	May 11, 2023	milestone 2	

+ You can use **Control + Space** to add an item

## Label & Milestone Settings

team-project-TeamID->pull requests

Search or jump to... Pull requests Issues Codespaces Marketplace Explore


sustech-cs304 / team-project-testdemo Private 1

<> Code Issues 17 Pull requests Projects 2 Security Insights

Filters is:pr is:open 2 Labels 9 Milestones 3 New pull request

0 Open 0 Closed Author Label Projects Milestones Reviews Assignee Sort

There aren't any open pull requests.



[Pull requests](#) [Issues](#) [Codespaces](#) [Marketplace](#) [Explore](#)

[sustech-cs304 / team-project-testdemo](#) Private

[Sponsor](#) [Watch 1](#) [Fork 0](#) [Star 0](#)

[<> Code](#) [Issues 17](#) [Pull requests](#) [Projects 2](#) [Security](#) [Insights](#)

[Labels](#) [Milestones](#)

[New label](#)

9 labels

<a href="#">bug</a>	Something isn't working	1 open issue or pull request	<a href="#">Edit</a> <a href="#">Delete</a>
<a href="#">documentation</a>	Improvements or additions to documentation	4 open issues and pull requests	<a href="#">Edit</a> <a href="#">Delete</a>
<a href="#">duplicate</a>	This issue or pull request already exists	1 open issue or pull request	<a href="#">Edit</a> <a href="#">Delete</a>

## Add Field

team-project-teamID->Projects->Settings

[sustech-cs304](#) / [Projects](#) / [Program Process Test](#)

[Program Process Test](#)

[View 1](#)

[View 2](#)

[View 3](#)

[+ New view](#)

	Title	Assignees	Status	Start Time	End Time
1	<a href="#">Analysis and Planning #12</a>	tian20230212	<a href="#">In Progress</a>	Feb 13, 2023	Mar 17, 2023
2	<a href="#">Requirements #13</a>	tian20230212	<a href="#">In Progress</a>	Feb 20, 2023	Mar 17, 2023
3	<a href="#">Design and Prototyping #14</a>	tian20230212	<a href="#">Todo</a>	Mar 6, 2023	Mar 24, 2023
4	<a href="#">Software Development #15</a>	tian20230212	<a href="#">Todo</a>	Mar 13, 2023	Apr 21, 2023
5	<a href="#">Testing #16</a>	tian20230212	<a href="#">Todo</a>	Apr 10, 2023	Apr 28, 2023
6	<a href="#">Deployment #1</a>	tian20230212	<a href="#">Todo</a>	May 22, 2023	May 26, 2023
7	<a href="#">Maintenance and Updates #17</a>	tian20230212	<a href="#">Todo</a>	May 26, 2023	Jun 17, 2023

You can use [Control + Space](#) to add an item

[Workflows](#)

[Archived items](#)

[Settings](#)

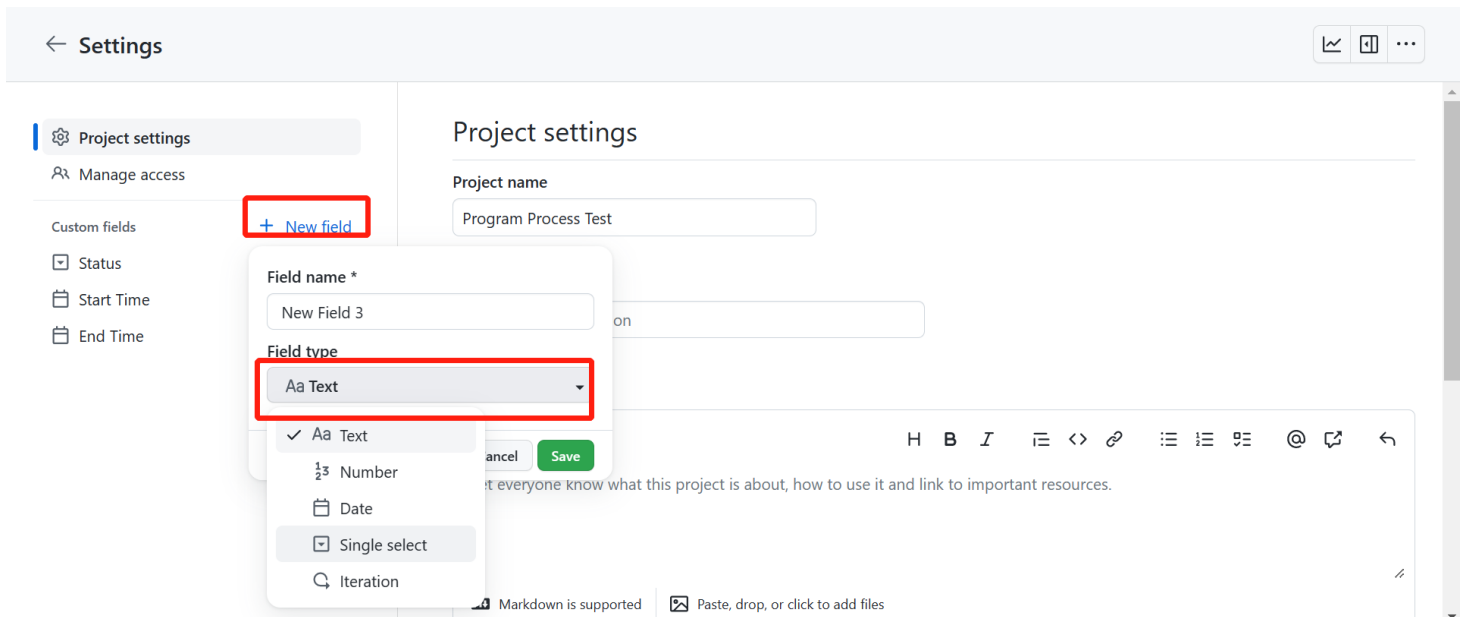
[Make a Copy](#)

GitHub projects

[What's new](#)

[Give feedback](#)

[GitHub Docs](#)



You can refer below for more information:

<https://docs.github.com/en/issues/planning-and-tracking-with-projects/learning-about-projects/about-projects>

## Part 2 Native Installation

See GitHub "projects" for a sample. Install and running an existing project (Teedy

<https://github.com/sustech-cs304/Teedy>).

## Repositories

Type Language Sort New

**team-project-testdemo** Private

team-project-testdemo created by GitHub Classroom

JavaScript 0 stars 0 forks GPL-2.0 0 issues 11 (1 issue needs help) 0 pull requests Updated 2 days ago

**milestone1-individual-report-tian20230212** Private

milestone1-individual-report-tian20230212 created by GitHub Classroom

0 stars 0 forks 0 issues 0 pull requests Updated 5 days ago

**Teedy** Public template

Lightweight document management system packed with all the features you can expect from big expensive solutions

JavaScript 0 stars 0 forks GPL-2.0 229 issues 0 pull requests Updated 2 weeks ago



[View all](#)

### Top languages

JavaScript

# Project Demo

links:<https://demo.teedy.io/>

teedy 文档 标签 用户 & 群组

admin 设置 退出

+ 添加一个文档

搜索

Accounting Finance, Tax  
Bank Citibank, Stripe  
Expenses  
HR EmmaTaylor, Georgelones...  
Internal

标题 创建时间

testt (1) Accounting 1小时前  
testtytest (0) 1小时前  
testtytest (0) 1小时前  
test (0) 1小时前  
kk (1) 6小时前  
HSBC insurance contract (2) Accounting Internal 8小时前  
Contract with Google (2) Internal 8小时前  
VAT declaration 2017 (2) Internal Tax 8小时前

HSBC insurance contract 2023/02/07 由 demo

共享

Accounting Internal

内容 工作流程 权限 活动

贡献者 demo

lyon-01.jpg

loreum-ipsu.docx

添加文件

当前工作流程步骤

Check the document's metadata  
验证 用户 demo

评论

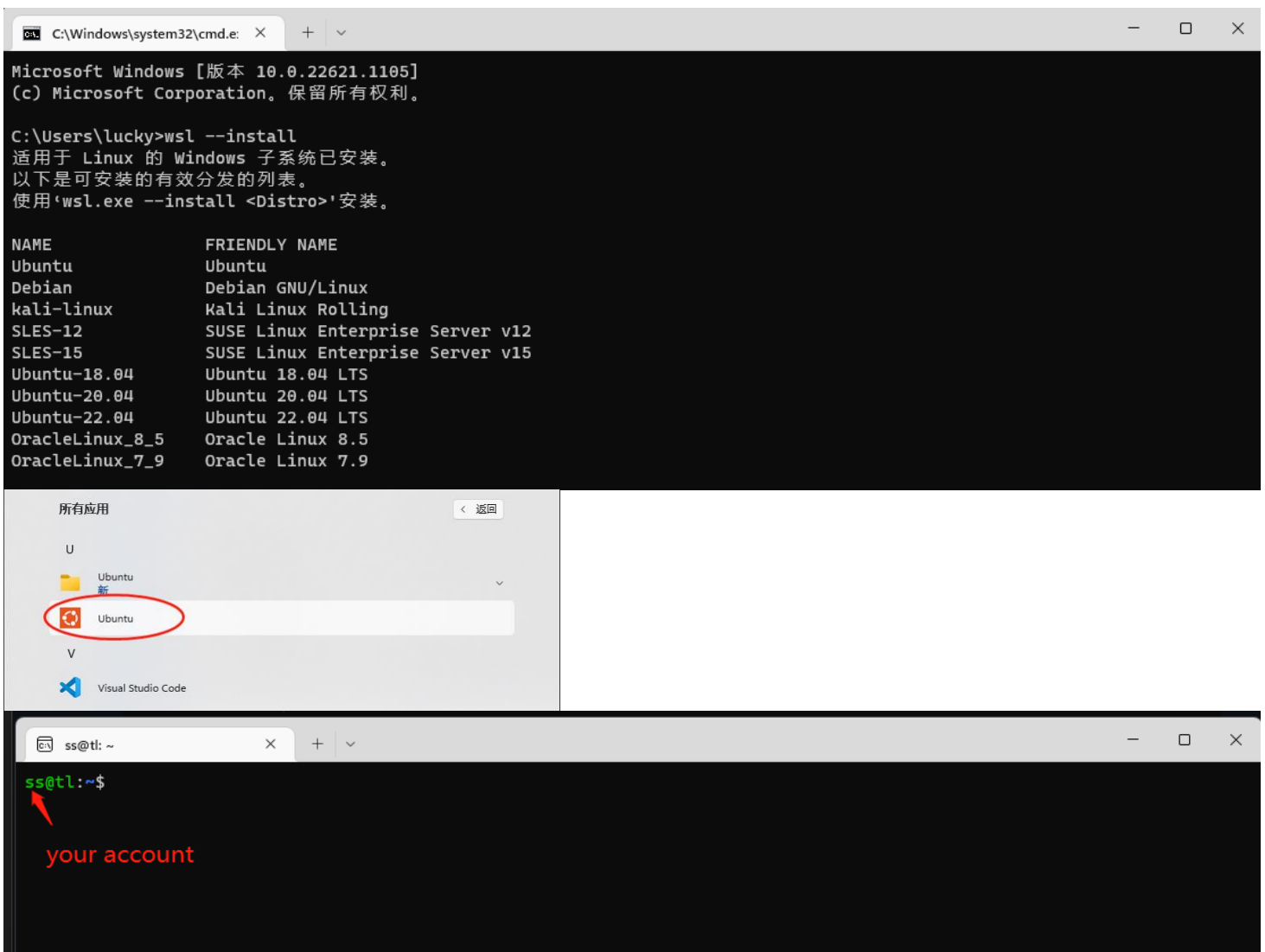
此文档暂无评论

添加评论

# Installation

## Step 1:WSL Installation

It is highly recommended that you proceed to install Windows Subsystem Linux (WSL), following the link: <https://learn.microsoft.com/en-us/windows/wsl/install> .



## Step 2:Requirements Installation

Before building Teedy from source, you will need to install several prerequisites, including Java 11+, Maven 3+, NPM, Grunt, Tesseract 4, ffmpeg, and mediainfo.

The first time you need to run command below:

```
sudo apt update
sudo apt upgrade
sudo apt autoremove
```

Required softwares Installation

```
sudo apt install \  
  default-jdk \  
  ffmpeg \  
  grunt \  
  maven \  
  npm \  
  tesseract-ocr \  
  tesseract-ocr-ara \  
  tesseract-ocr-ces \  
  tesseract-ocr-chi-sim \  
  tesseract-ocr-chi-tra \  
  tesseract-ocr-dan \  
  tesseract-ocr-deu \  
  tesseract-ocr-fin \  
  tesseract-ocr-fra \  
  tesseract-ocr-heb \  
  tesseract-ocr-hin \  
  tesseract-ocr-hun \  
  tesseract-ocr-ita \  
  tesseract-ocr-jpn \  
  tesseract-ocr-kor \  
  tesseract-ocr-lav \  
  tesseract-ocr-nld \  
  tesseract-ocr-nor \  
  tesseract-ocr-pol \  
  tesseract-ocr-por \  
  tesseract-ocr-rus \  
  tesseract-ocr-spa \  
  tesseract-ocr-swe \  
  tesseract-ocr-tha \  
  tesseract-ocr-tur \  
  tesseract-ocr-ukr \  
  tesseract-ocr-vie
```

```
tesseract-ocr-hun is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-ita is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-jpn is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-kor is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-lav is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-nld is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-nor is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-pol is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-por is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-rus is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-spa is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-swe is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-tha is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-tur is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-ukr is already the newest version (1:4.00~git30-7274cfa-1.1).  
tesseract-ocr-vie is already the newest version (1:4.00~git30-7274cfa-1.1).  
ffmpeg is already the newest version (7:4.4.2-0ubuntu0.22.04.1).  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```



# Build Teedy From The Sources

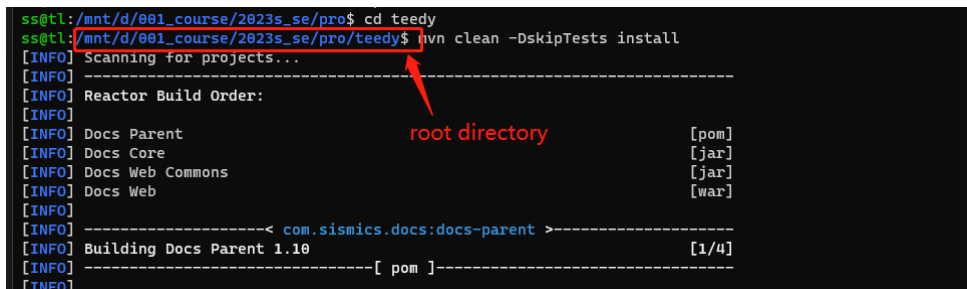
First off, clone the repository: git clone <https://github.com/sustech-cs304/Teedy> or download the sources from GitHub.

## Step 1:Launch the build

From the root directory:

```
mvn clean -DskipTests install
```

```
ss@tl:/mnt/d/001_course/2023s_se/pro$ cd teedy
ss@tl:/mnt/d/001_course/2023s_se/pro/teedy$ mvn clean -DskipTests install
[INFO] Scanning for projects...
[INFO]
[INFO] Reactor Build Order:
[INFO]
[INFO] Docs Parent [pom]
[INFO] Docs Core [jar]
[INFO] Docs Web Commons [jar]
[INFO] Docs Web [war]
[INFO]
[INFO] -----< com.sismics.docs:docs-parent >-----
[INFO] Building Docs Parent 1.10 [1/4]
[INFO] -----[ pom ]-----
[INFO]
```



When Maven install,project need download many packages from third library, maybe failed,you can refer below to solve the problem:<https://juejin.cn/post/7045223548406726693>

```
[INFO] Docs Parent ..... SUCCESS [ 0.108 s]
[INFO] Docs Core ..... SUCCESS [14:50 min]
[INFO] Docs Web Commons ..... FAILURE [23:24 min]
[INFO] Docs Web ..... SKIPPED
[INFO]
[INFO] BUILD FAILURE
[INFO]
[INFO] Total time: 38:15 min
[INFO] Finished at: 2023-02-02T18:42:58+08:00
[INFO]
[ERROR] Failed to execute goal on project docs-web-common: Could not resolve dependencies for project com.sismics.docs:docs-web-common:jar:1.10: The following artifacts could not be resolved: org.glassfish.jersey.containers:jersey-container-servlet-core:jar:2.33, org.glassfish.hk2.external:jakarta.inject:jar:2.6.1, org.glassfish.jersey.core:jersey-common:jar:2.33, jakarta.annotation:jakarta.annotation-api:jar:1.3.5: Could not transfer artifact org.glassfish.jersey.containers:jersey-container-servlet-core:jar:2.33 from/to central (https://repo.maven.apache.org/maven2): Transfer failed for https://repo.maven.apache.org/maven2/org/glassfish/jersey/containers/jersey-container-servlet-core/2.33/jersey-container-servlet-core-2.33.jar: Connect to repo.maven.apache.org:443 [repo.maven.apache.org/146.75.92.215, repo.maven.apache.org/23.235.36.32, repo.maven.apache.org/23.235.32.32, repo.maven.apache.org/104.156.84.32, repo.maven.apache.org/104.156.80.32] failed: Connection timed out (Connection timed out) -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/DependencyResolutionException
[ERROR]
[ERROR] After correcting the problems, you can resume the build with the command
```

## Run a stand-alone version

From the docs-web directory:

```
mvn jetty:run
```

```

[INFO] -----
ss@tl:/mnt/d/001_course/2023s_se/pro/teedy$ cd docs-web
ss@tl:/mnt/d/001_course/2023s_se/pro/teedy/docs-web$ mvn jetty:run
[INFO] Scanning for projects...
[INFO] -----< com.sismics.docs:docs-web >-----
[INFO] Building Docs Web 1.10
[INFO] -----[ war ]-----
[INFO]

```

Maybe some errors occurred:

```

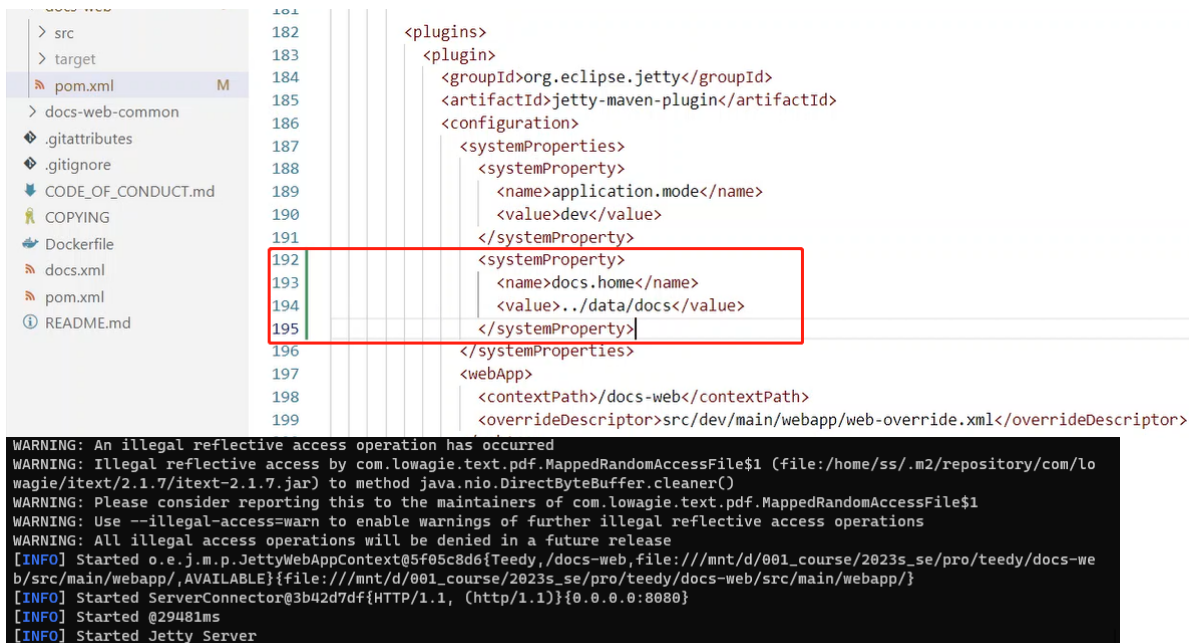
tializing base data directory
java.lang.RuntimeException: java.nio.file.AccessDeniedException: /var/docs
    at com.sismics.docs.core.util.DirectoryUtil.getBaseDataDirectory(DirectoryUtil.java:46)
    at com.sismics.util.filter.RequestContextFilter.init(RequestContextFilter.java:43)
    at org.eclipse.jetty.servlet.FilterHolder.initialize(FilterHolder.java:140)
    at org.eclipse.jetty.servlet.ServletHandler.lambda$initialize$0(ServletHandler.java:731)

```

We can make this directory and give permission( `/docs - web $ mkdir /var/doc && chmod 744 /var/doc`).

This time we can refer this solution:

<https://github.com/CMU-313/Teedy/commit/4da416799fe1668328ef2a22c69994b94f10d803>



```

182 <plugins>
183 <plugin>
184 <groupId>org.eclipse.jetty</groupId>
185 <artifactId>jetty-maven-plugin</artifactId>
186 <configuration>
187 <systemProperties>
188 <systemProperty>
189 <name>application.mode</name>
190 <value>dev</value>
191 </systemProperty>
192 <systemProperty>
193 <name>docs.home</name>
194 <value>../data/docs</value>
195 </systemProperty>
196 </systemProperties>
197 <webApp>
198 <contextPath>/docs-web</contextPath>
199 <overrideDescriptor>src/dev/main/webapp/web-override.xml</overrideDescriptor>

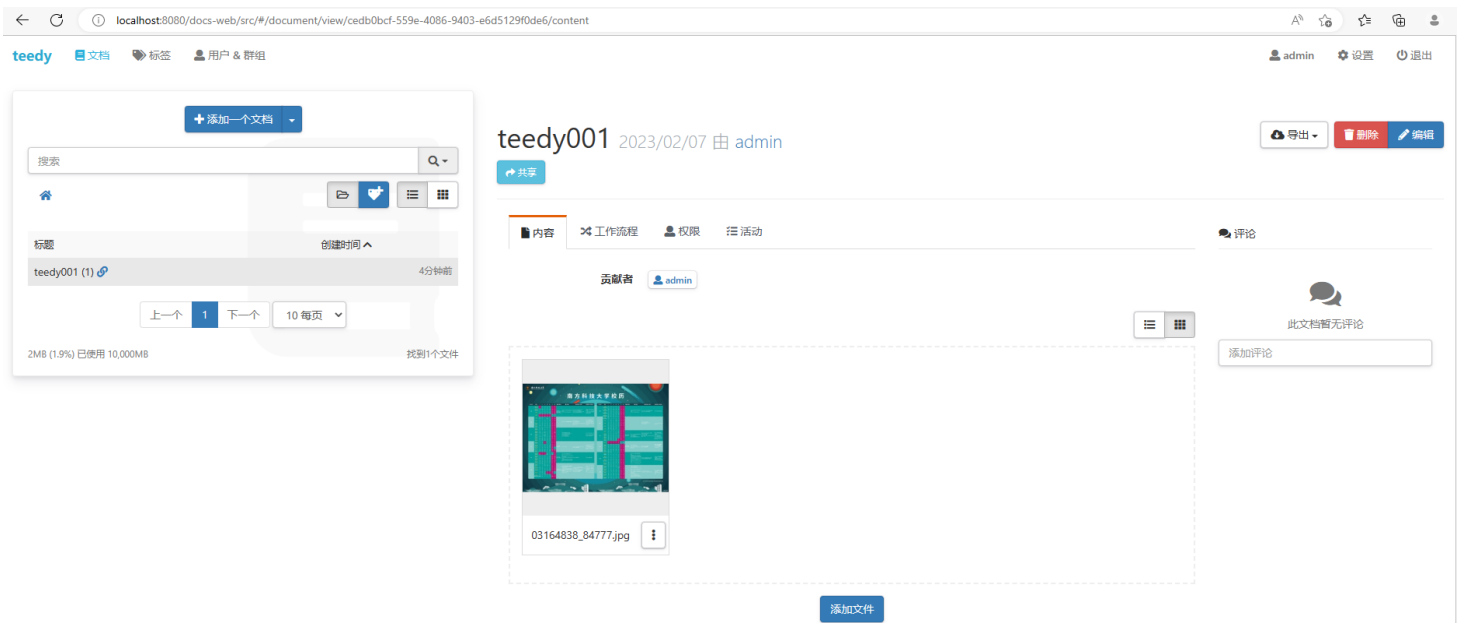
```

```

WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.lowagie.text.pdf.MappedRandomAccessFile$1 (file:/home/ss/.m2/repository/com/lowagie/itext/2.1.7/itext-2.1.7.jar) to method java.nio.DirectByteBuffer.cleaner()
WARNING: Please consider reporting this to the maintainers of com.lowagie.text.pdf.MappedRandomAccessFile$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Started o.e.j.m.p.JettyWebAppContext@5f05c8d6{Teedy, /docs-web, file:///mnt/d/001_course/2023s_se/pro/teedy/docs-web/src/main/webapp/, AVAILABLE}{file:///mnt/d/001_course/2023s_se/pro/teedy/docs-web/src/main/webapp/}
[INFO] Started ServerConnector@3b42d7df{HTTP/1.1, (http/1.1)}{0.0.0.0:8080}
[INFO] Started @29481ms
[INFO] Started Jetty Server

```

Then we try again:



## Help site:

Linux basic knowledge:

<https://www.runoob.com/linux/linux-tutorial.html>

Apache:

<https://maven.apache.org/>

Vim command:

<https://www.runoob.com/linux/linux-vim.html>

WSL Installation:DNS (无法解析服务器的名称或地址)

<https://zhuanlan.zhihu.com/p/265364903>

Apache access problem:

<https://juejin.cn/post/7045223548406726693>