

# Installation manual

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For a full guide and list of functionalities for our project, take a look at “report”.

## Implementation

### Setting up the environment

In this setup we are assuming that the composer is already installed.

## Step 1 - Download git repo

*git clone*

*[git@gvk.idi.ntnu.no:course/idadg2204/idadg2204-2021-workspace/oddhb/idadg2204-prosjekt.git](https://git.gvk.idi.ntnu.no/course/idadg2204/idadg2204-2021-workspace/oddhb/idadg2204-prosjekt.git)*

## Step 2 - Install codeception in root

*composer require codeception/codeception --dev*  
*php vendor/bin/codecept bootstrap*

## Step 3 - Install dependencies

*composer require codeception/module-rest --dev*  
*composer require codeception/module-db --dev*  
*composer require codeception/module-phpbrowser --dev*

## Step 4 - Setup dbCredentials

We have not yet implemented database users, so for now the connection from the database to the sql server is running with root permission.

1. From the root of the project directory navigate to the db folder and open the file DBCredentials.php
2. Edit the consts DB\_HOSTS, DB\_NAME, DB\_USER, DB\_PWD to match your system settings
  - a. By default dbCredentials will use the root user and an empty password. You may not have to edit it if you use myAdmin as root.
3. TEST constant toggles whether to use test or production db. Set to 1 for test and to 0 for prod.

## Step 5 - Set up www environment

Create a new folder called **prosjekt3** in your www root folder

Copy **db/**, **controller/**, **api.php**, **constant.php** from your repo to the prosjekt3 folder

Create a .htaccess file and paste in the following:

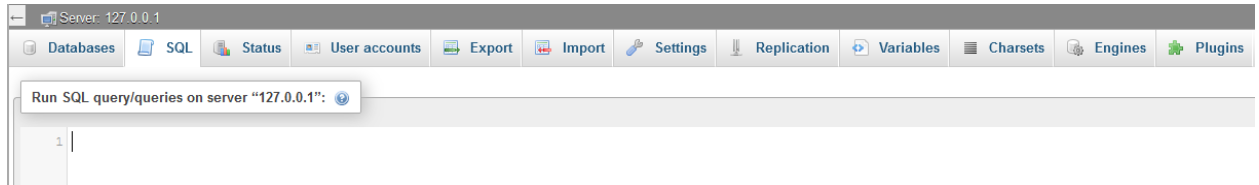
```
<IfModule mod_rewrite.c>
RewriteEngine On
RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d
RewriteRule prosjekt3/(.*)$ prosjekt3/api.php?request=$1 [QSA,NC,L]
</IfModule>
```

Please note that what you specify in the .htaccess file will be the start of your URI. So in the example above the URI will be http://localhost/prosjekt3

## Step 6 - Set up database

### *Production database:*

1. Create a new database called `ski_manufacturer`
2. Copy everything in **dokumenter/model\_physical.sql** (ctrl+A -> ctrl+C).
3. Navigate to the SQL tab in phpMyAdmin



4. Paste and run.

### *Test database:*

1. Create new database called **testdb** in phpMyAdmin (*Mandatory*)
2. Import **tests/\_data/testdb.sql** to **testdb** (*Optional*)

## Step 7 - Tests

All tests for the project have been generated into one of two “suites”. Namely the “unit” and “api” suite. Use following commands to run the according tests:

- a. **ALL** tests: **php vendor/bin/codecept run**
- b. **UNIT** tests: **php vendor/bin/codecept run unit**
- c. **API** tests: **php vendor/bin/codecept run api**

**NB!** Before running any **API** and **UNIT** tests make sure that the appropriate database is chosen. For example, when running **API** and **UNIT** tests make sure that the variable `DB_NAME` in `dbCredentials.php` is:

```
const DB_NAME = 'testdb';
```

Update `api.suite.yml` og `unit.suite.yml`

Please change db information in the file `api.suite.yml` and `unit.suite.yml` located in the folder `test` with the proper db name and credentials if needed.