

User Study – No-Code Builder

Dear participant,

Thank you for participating in this study. This document gives you an overview of the study process, your tasks and other details.

Please read this document carefully and if there are any questions or ambiguities, please ask.

The aim of this study is to examine the no-code tool for creating software applications. This tool allows you to build applications without traditional programming by combining different building blocks and functions.

The user study will last no longer than 60 minutes.

First, you will be asked to fill out a preliminary questionnaire. This gives us an insight into your previous experiences with similar tools and your expectations for this study. You will then have the opportunity to familiarize yourself with the user interface and functions of the no-code tool.

Instructions are available as a PDF file. With the help of the instructions, the functions shown can be replicated step by step.

In the main part of the study, you are tasked with creating a time tracking app for two projects using the no-code builder provided. The assignment is available in paper form.

After completing the tasks, you will be asked to fill out a final questionnaire to share your experiences and impressions with the no-code tool.

Course of study

If you are ready to begin, we will then issue a questionnaire to get some demographic data as well as your attitude about your experience with no-code/low-code and software development. **No experience with these topics is assumed.** After you have filled out the form, the training phase begins. Meanwhile, you have the possibility to read the instructions and ask questions to pose to any to clear up any remaining ambiguities. The support will continue to be available to you while you work on the task.

Task

A total of 2 apps and the associated teams should be created and configured. You can access the dedicated app here:

Working student

User name: **student@ncus.de**

Password: UST2023ncbs

project manager

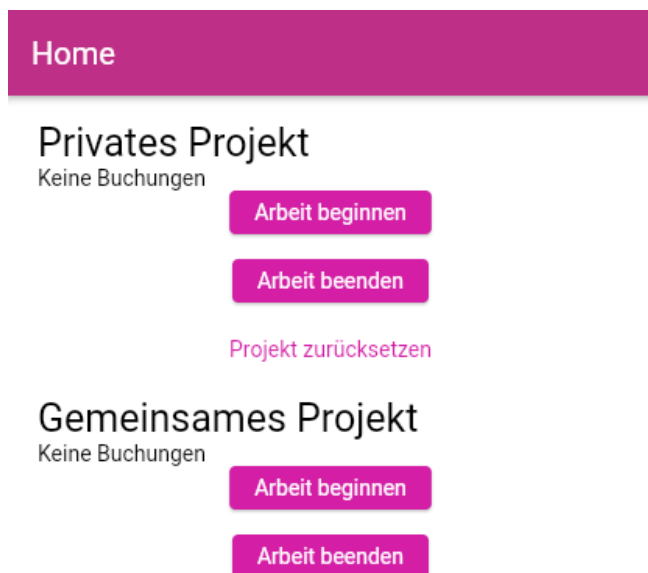
User name: **manager@ncus.de**

Password: UST2023ncbm

Link to the No-Code-Builder: [No-Code-Builder](#)

Link to test the developed app: [App](#)

1. Log in with your account “**project manager**”.
2. Create a new app named “**capture**”.
3. Create a new team named “Students” and assign the created app named “Capture” to the team.
4. Create the UI elements as follows:



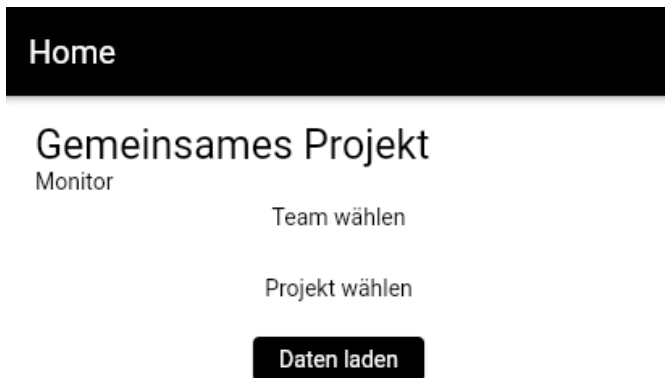
5. Assign the UI elements their function

The following requirements should be met:

- Headings in size 25
- Texts in size 14

- Colors for the AppBar and button can be chosen arbitrarily
- The text field “No bookings” should not show static text but rather the bookings of the respective controller
- Use **two** “Time Tracking Controller” for the two projects, a controller for the joint project should be **public**
- The buttons for the private project should call the functions “come” for starting work, “go” for ending work and “reset” for resetting the project

6. Create a new app named “**Monitoring**”. The app is structured as follows:



The following requirements should be met:

- Headings in size 25
- Texts in size 14
- Colors for the AppBar and button can be chosen arbitrarily
- The text field “Monitor” should not contain static text but rather the appropriate text of the “Time monitor controller” show
- The buttons should use the appropriate functions from the controller

7. Create a new team named “Project Manager” and assign the Manager Account to the second app.

8. Assign the UI elements their function

9. Test both apps using the following link with the login data from the instructions:

Link to test the developed app: [App](#)

consent form

Dear participants,

Thank you for your participation in this scientific study. The study lasts approximately 60 minutes and is carried out on site.

I hereby confirm that I have read and understood the information given to me. All questions have been answered to my satisfaction and I confirm that I have been informed of the following points in connection with the study:

- I meet the requirements of the study and can fulfill the requested interaction pattern.
- Participation in the study can be terminated at any time and without justification.
- Costs incurred through participation in the study will not be reimbursed.
- All recorded data can be evaluated for research purposes and possibly published in anonymized form. This includes the completed questionnaires and measured interaction data.
- It is possible that screen recordings will be made during the study.
- I am aware that everything, what I saw, heard and received during the study is confidential and I declare that I will not pass on this information.

I hereby agree to take part in the study.

(Name)

(Date, signature)