

# Drafted Timeline And Milestones

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- **26.10.2022: Milestone 0 (Literature Research)**

The literature research should be thoroughly completed by this point and the process of fixing all present bugs starts.

- **02.11.2022: Milestone 1 (Interaction Sphere)**

The bulky hand models are replaced by an interaction sphere without physics, to provide precise interaction with the bricks.

- **09.11.2022: Milestone 2 (Interaction without Physics - Demo)**

The bricks do not have any physics simulation anymore. This step should be evaluated by a live demo. Either when completing the milestone, or at a later point in time.

- **17.11.2022**

First week of improving and bug fixing for the placement estimation function. This step contains a lot of uncertain variables and possibilities that need to be explored. Furthermore, the bugs causing the identified issues need to be found and suitable solutions found. Since this will most likely be the most complex aspect of the bug fixing procedure, two weeks instead of one were allocated to address it.

- **24.11.2022: Milestone 3 (Placement Estimation and Snapping Overhaul - Demo)**

The bug fixing phase is concluded by optimizing the placement estimation and snapping mechanics. To ensure an optimal state of the prototype, a demo should be performed at this time.

- **01.12.2022: Buffer**

These three weeks act as a buffer to support possible delays within the development process and allow for a small pilot study to test the applicability of the final software.

- **20.12.2022: Milestone 4 (Start of the User Study)**

The user study begins. To ensure a realistic timeline, one participant per day is scheduled. If it is possible to run more than one instance of the study per day, this period can be cut short in practice.

- **08.02.2023: Milestone 5 (End of User Study - Result Evaluation)**

The user study ends and all gathered results are evaluated.

- **15.02.2023: Milestone 6 (Start of Thesis Production)**

The production of the master thesis begins.