FACULDADE DE CIÊNCIAS E TECNOLOGIA
UNIVERSIDADE NOVA DE LISBOA

Human-Machine Interaction

2017/2018

Study Helper

Stage 3: Paper Prototype

Extended Version (Digital Only)

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Briefing

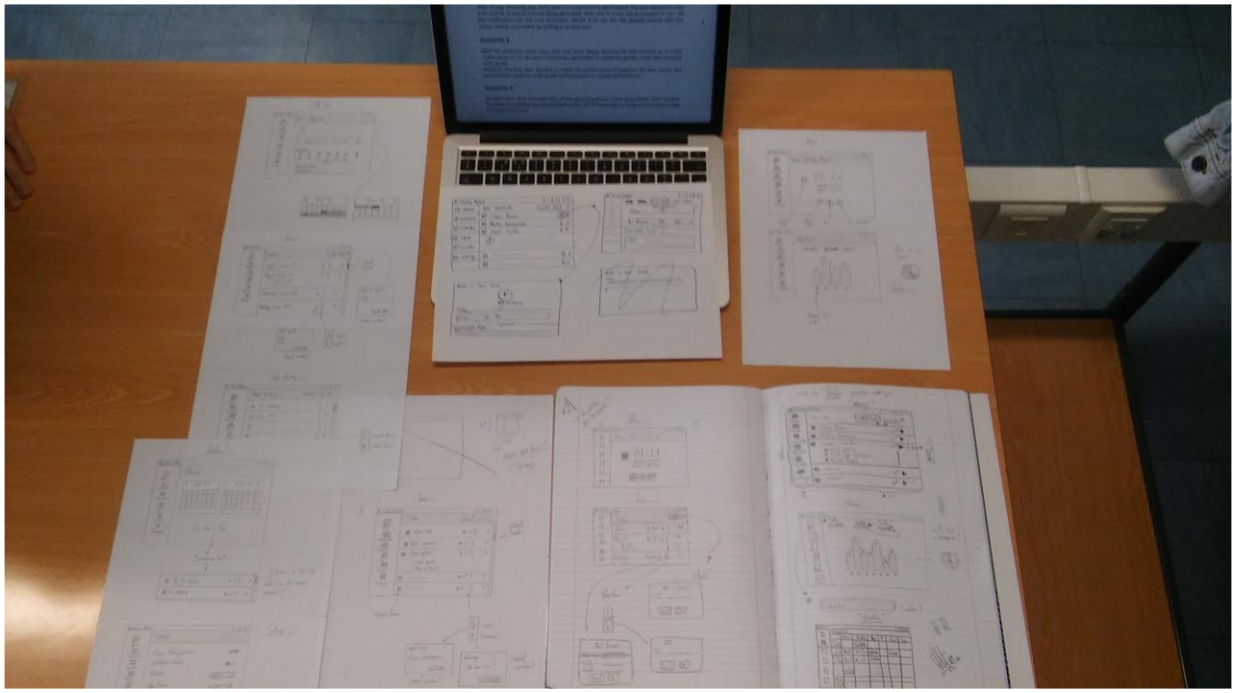
Oftentimes students suffer from a lack of organization and methodology on their studies. Study Helpers' main focus is to increase these students' productivity and motivation by making their time management easier. It will help planning study schedules and routines as students will be allowed to create tasks and divide them over specific periods of time.

Also, they'll be able to create a calendar with the important dates and will be notified on unfinished tasks, upcoming exams and presentations. Lastly, they won't ever be caught off- guard with deadlines and with regular feedback on their performance over time, there won't be any risk on falling behind schedule throughout the coursework.

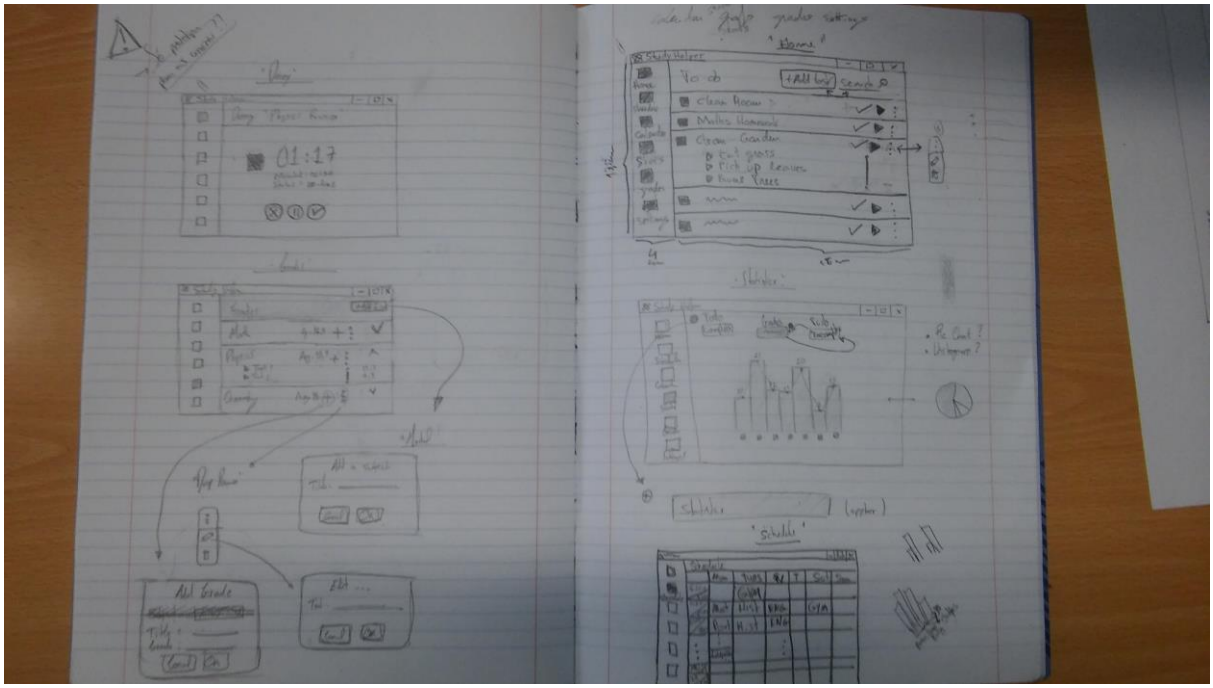
Sketching: Overview

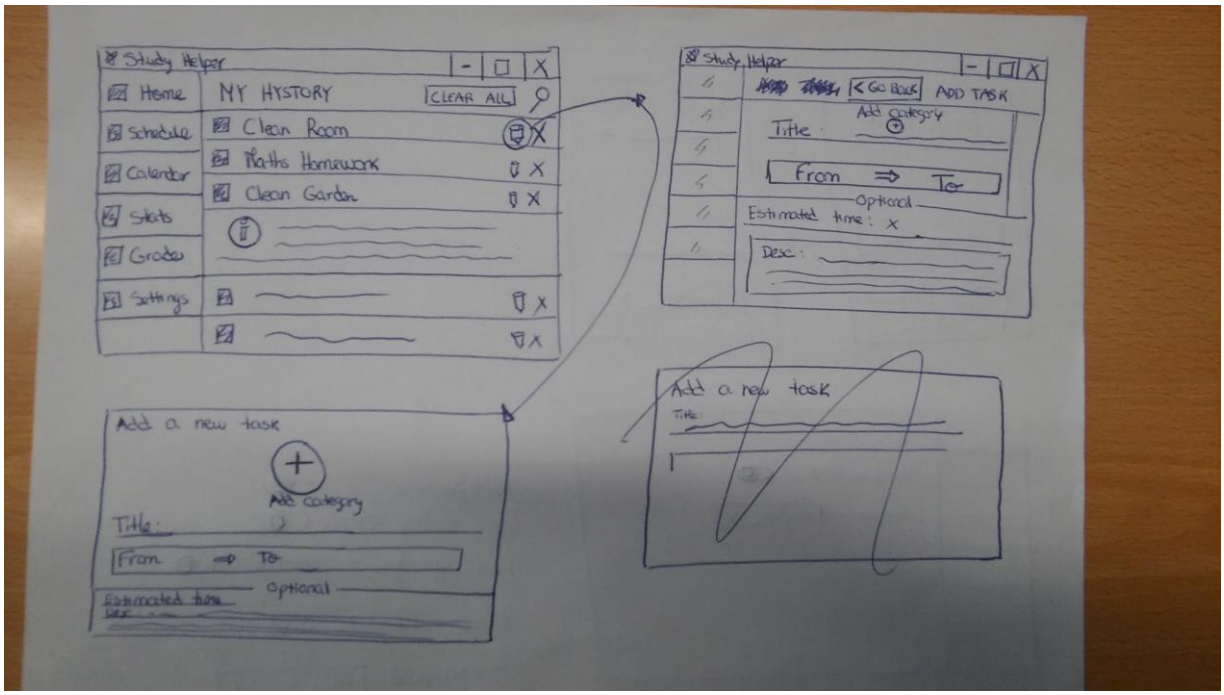
For this task, we brainstormed and analysed various designs, workflows and specific features. We started out with very, very rough sketches, discussed them in group, and gradually moved towards more detailed designs.

Below you can see an overview of the end result of our sketching phase.

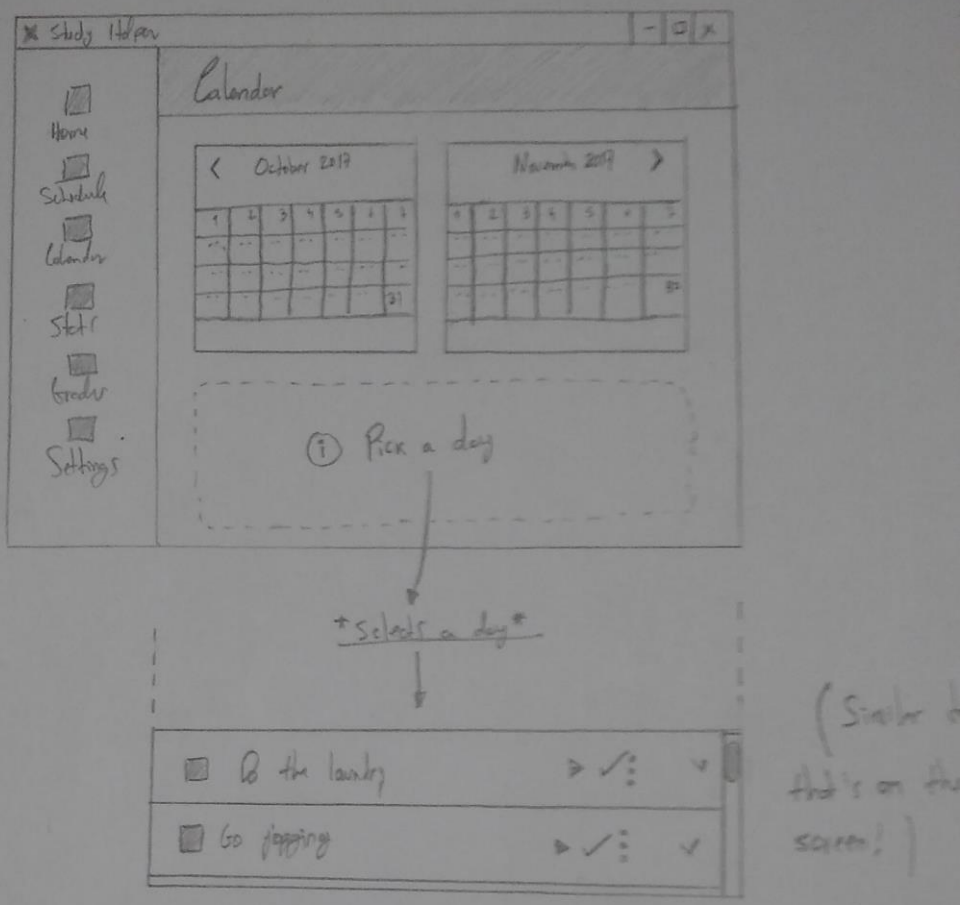


Sketching: In Detail



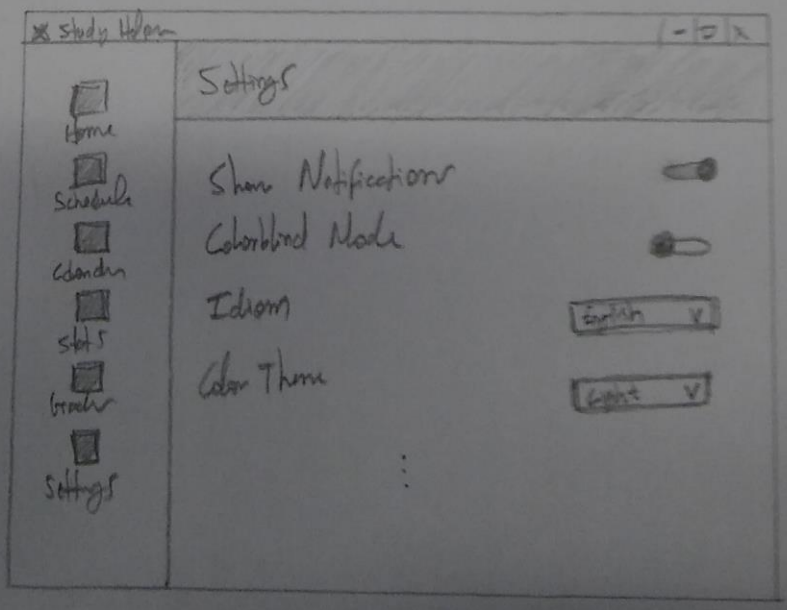


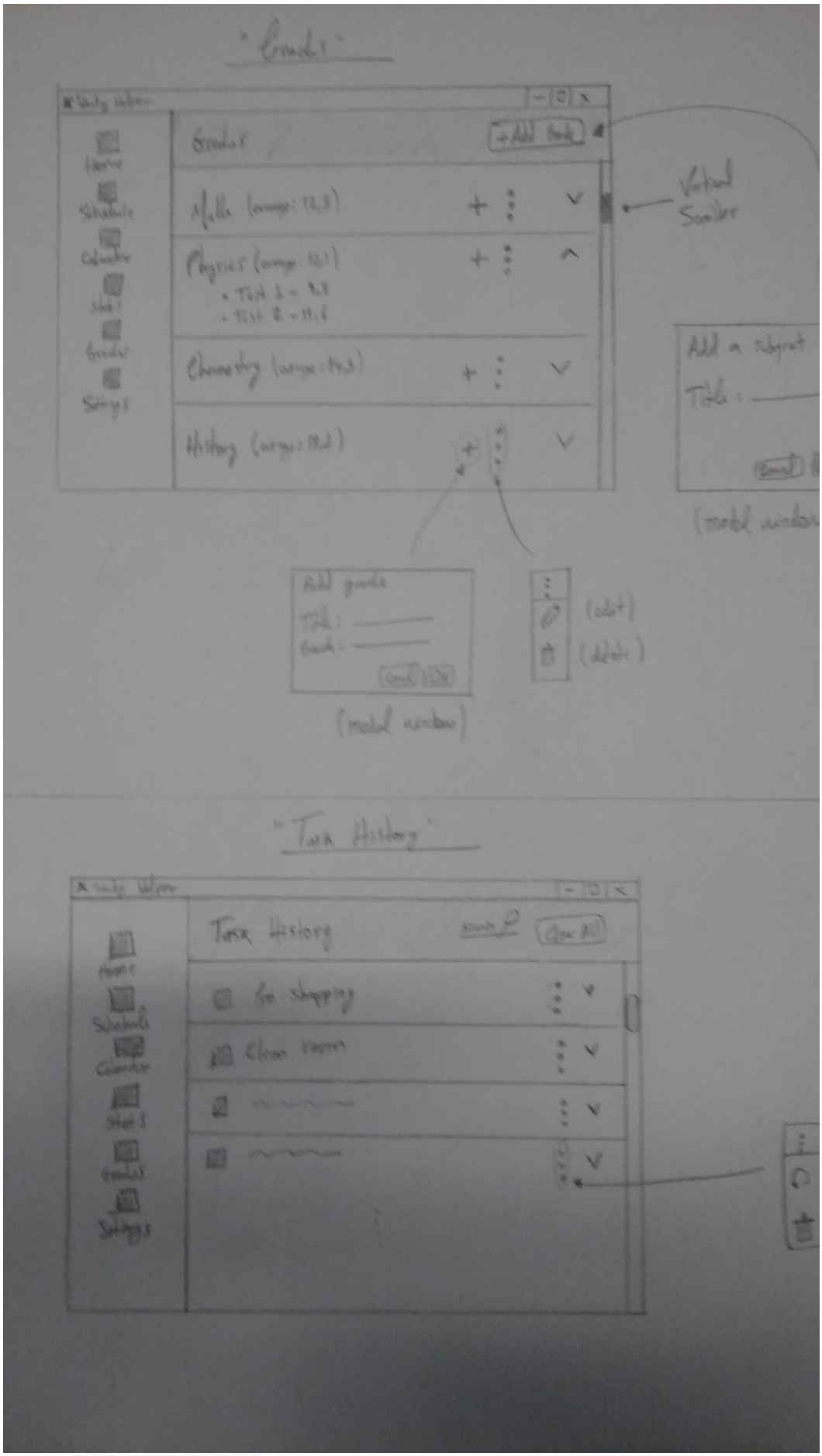
"Calendar"

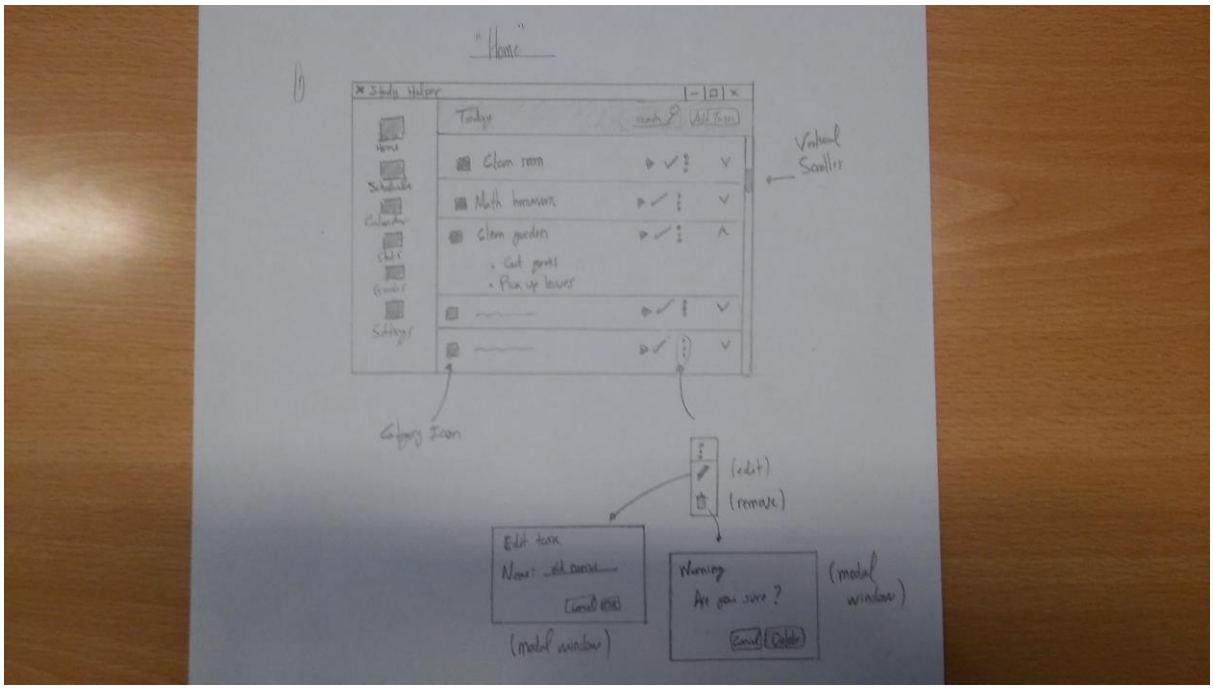


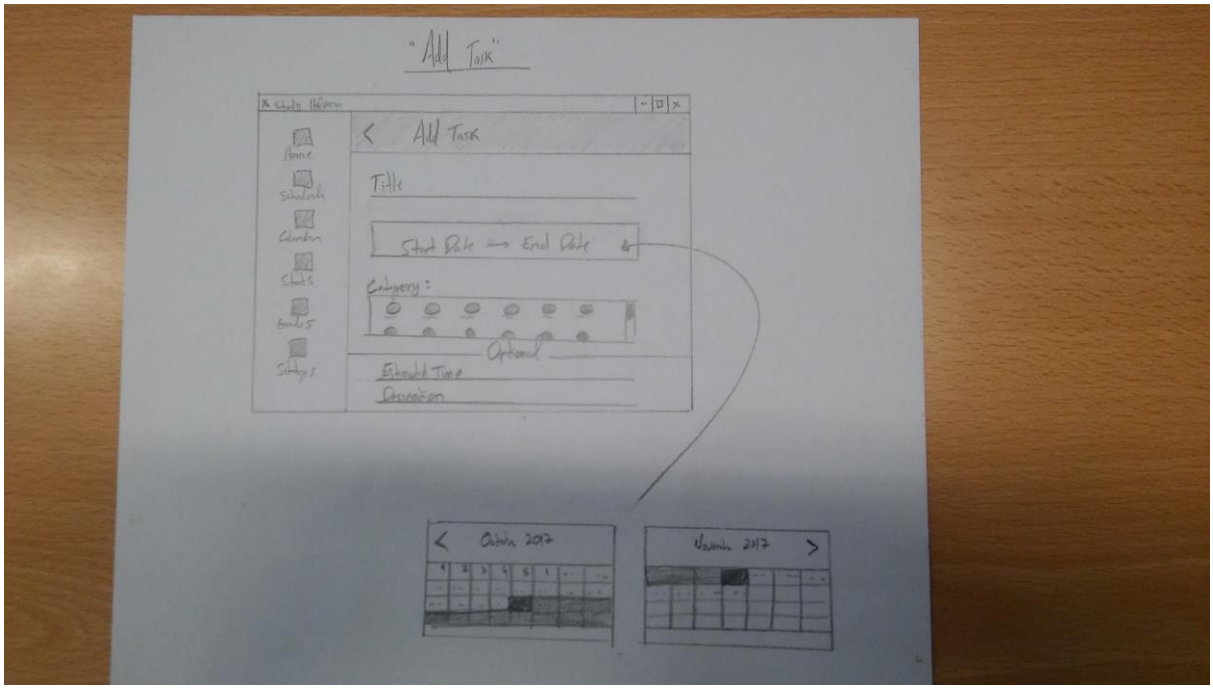
(Similar to that's on the screen!)

"Settings"

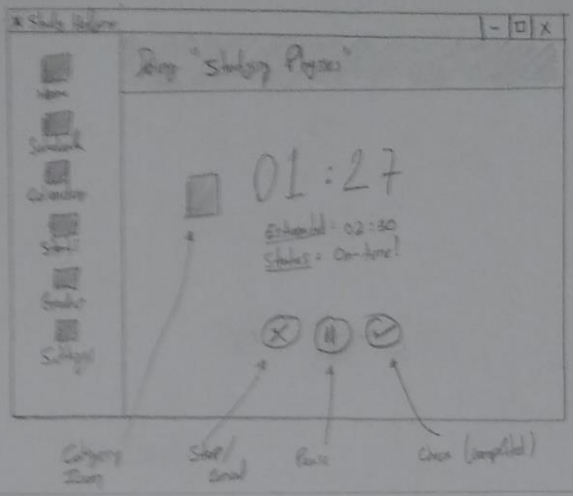


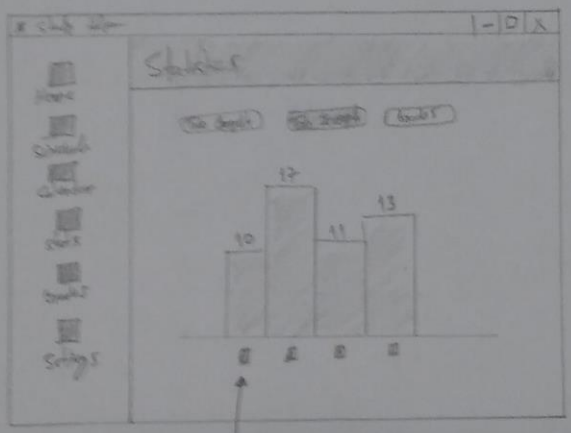

"Grades"
Grades
+Add Sub
Virtual Scroller
Add a subject
(modal window)
Add grade
(edit)
(delete)
(modal window)
"Task History"
Task History
Clear All
Go shopping
Clean room


"Home"
Today
Clean room
Math homework
Clean garden
• Cut grass
• Pick up leaves
Virtual Scroller
Category Icon
(edit)
(remove)
Edit task
Name:
(modal window)
Warning
Are you sure?
(modal window)


"Add Task"
Add Task
Title
Start Date → End Date
Category:
Optional
Estimated Time
Description
Oktober 2017
November 2017

"Pomo"





Also use pie charts:

"Statistics"

The 3 Scenarios

Here we display the three scenarios that we're going to present to our application's testers (in separate cheats, of course). The reason why we show them here again is because they've been slightly modified since Stage 2, in order to avoid ambiguities and make them as clear as possible.

Scenario 1

Johnny was surfing the web when he thought to himself *"I should be more productive today..."*. He stopped for a while and tried to think about the main tasks that he should add to his to-do list and complete for the day, coming up with the following two:

"I need to study one hour for the upcoming Geography exam."
"I also need to email over my Physics report."

He started the first task, paying close attention to the time elapsed. Because of how focused he was, he got all his studying done in much less time, and so happily proceeded to check off the task.

With all the excitement, he did the mistake of checking-off his second task as well...! What a bummer!

Shaking his head, he went to the all-time task history and recovered the task.

Scenario 2

After his afternoon math class, Josh was super happy because he had received an 18 in the maths exam. So, he decided it would be a good idea to update his grades cheat with his latest math grade.

Afterwards, while on the bus, Josh decided to check his performance statistics throughout the last month, and realised how much his math grade had increased his overall performance.

Scenario 3

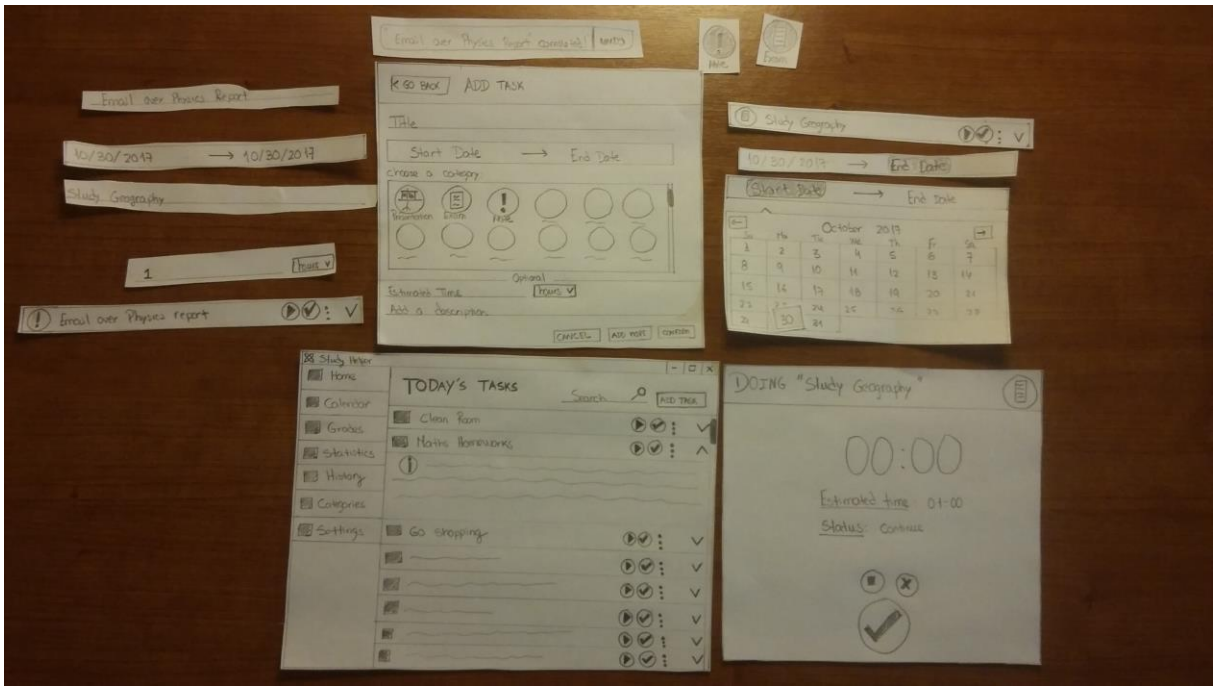
At lunch time, Jane reminded Mark of that super difficult Physics exam that was going to take place on the 21st of December.

Mark had no idea about this event, and so he decided to add a new task, on his calendar, for the 21st of December - *"Physics exam"*, tagging it with the *Exam* category. This way, he'd start studying earlier and wouldn't forget about this important date.

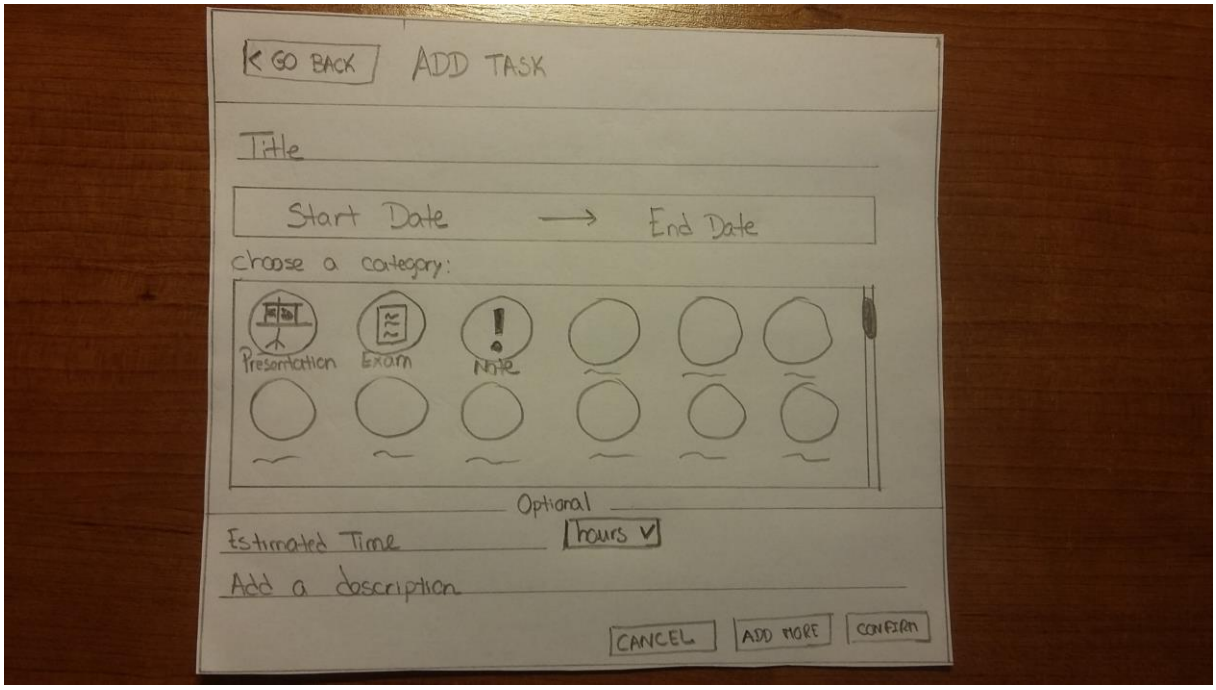
Prototyping

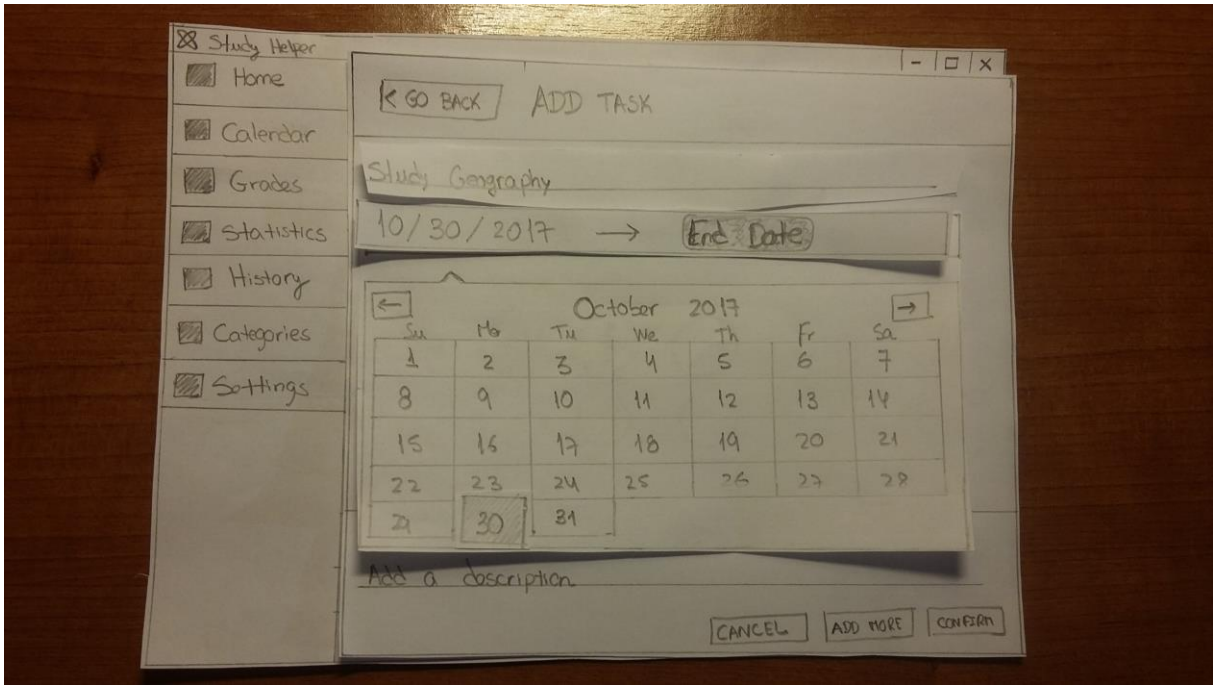
After sketching and brainstorming some more, we felt ready to start building the paper prototypes. Below we'll show an overview of the three prototypes that were built (one for each of the scenarios above).

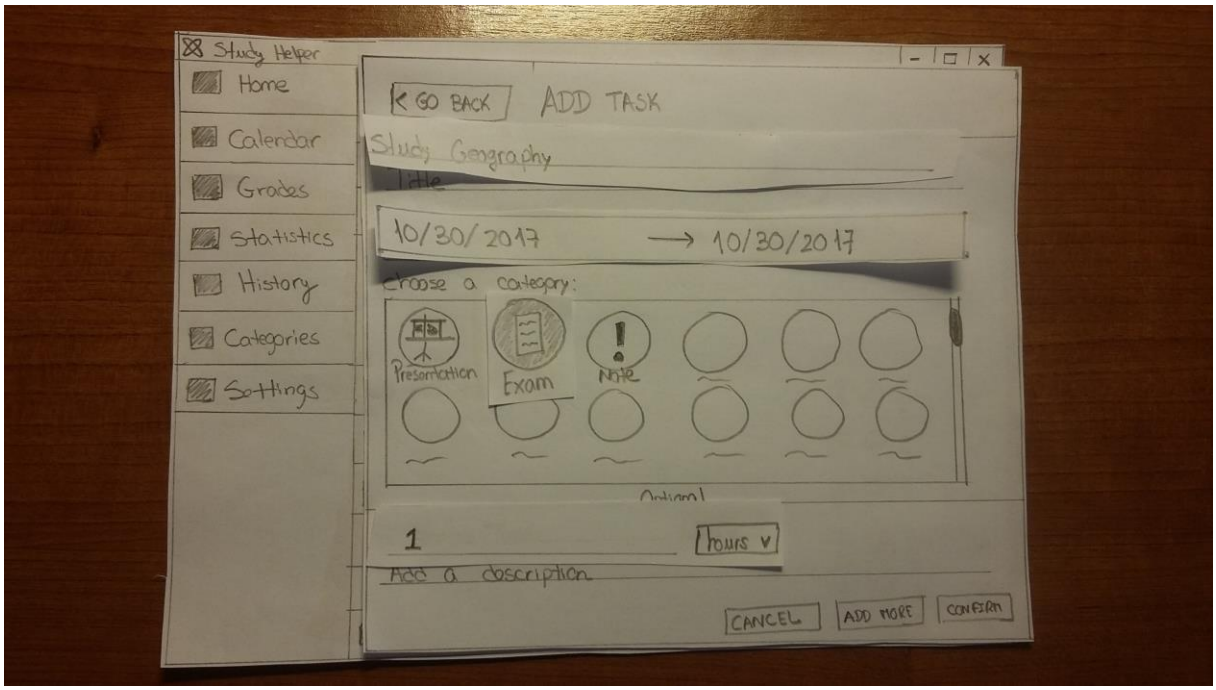
Prototype: Scenario 1

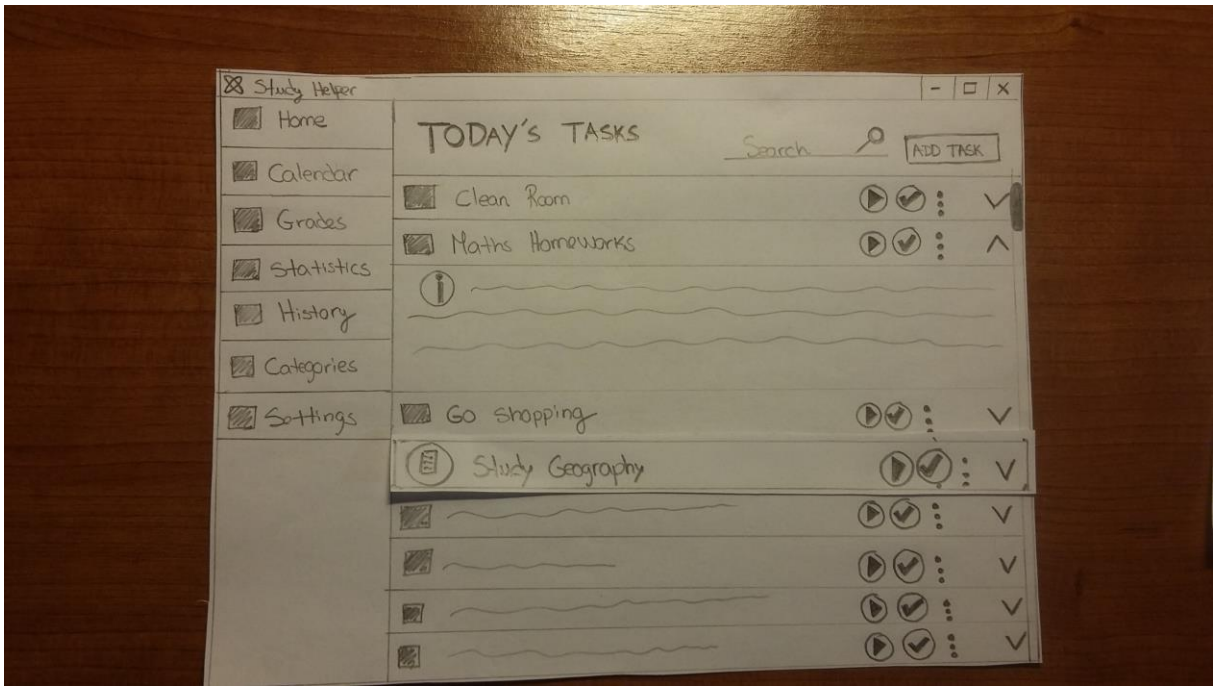


Add task:

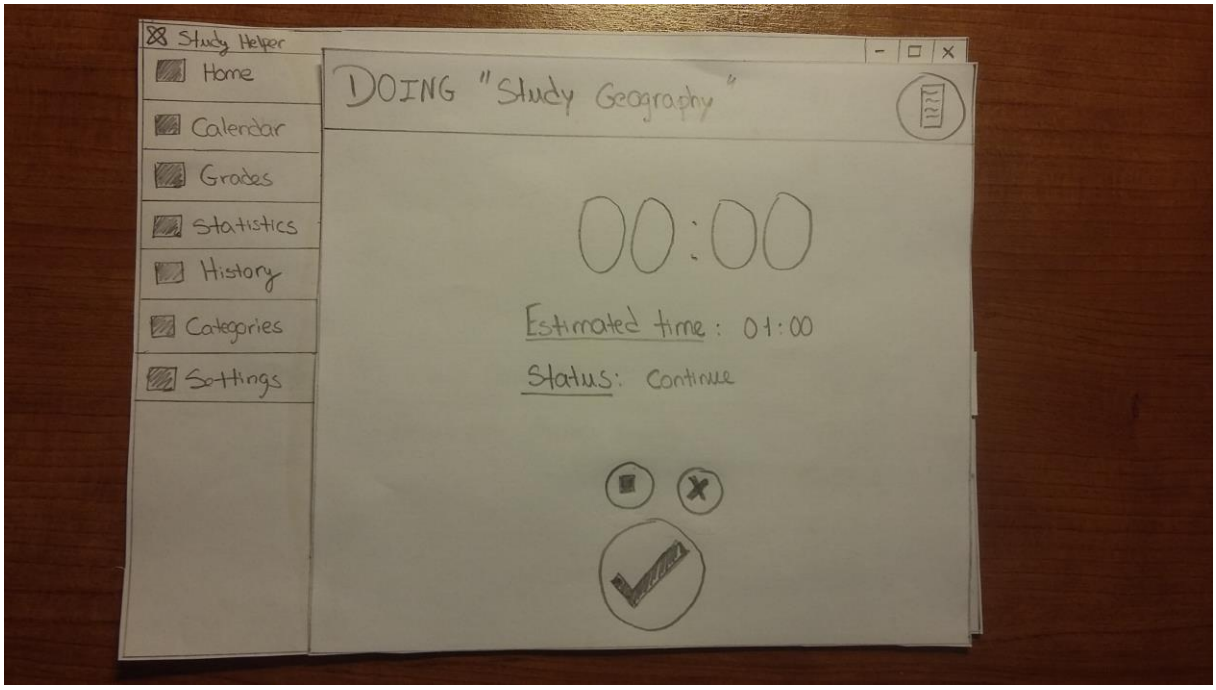

GO BACK
ADD TASK
Title
Start Date
End Date
choose a category:
Presentation
Exam
Note
Optional
Estimated Time
hours
Add a description
CANCEL
ADD MORE
CONFIRM


Study Helper
Home
Calendar
Grades
Statistics
History
Categories
Settings
GO BACK
ADD TASK
Study Geography
10/30/2017
End Date
October 2017
Su Mo Tu We Th Fr Sa
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31
Add a description
CANCEL
ADD MORE
CONFIRM

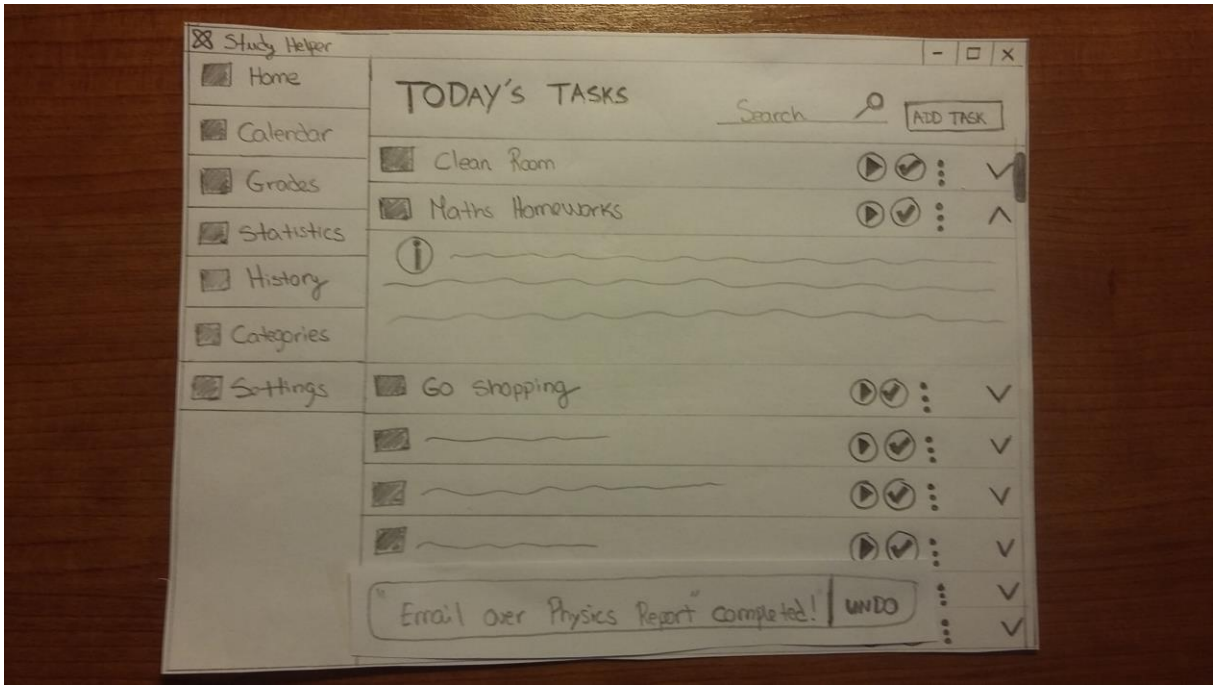

Study Helper
Home
Calendar
Grades
Statistics
History
Categories
Settings
GO BACK
ADD TASK
Study Geography
Title
10/30/2017
10/30/2017
Choose a category:
Presentation
Exam
Note
Optional
1
Hours
Add a description
CANCEL
ADD MORE
CONFIRM

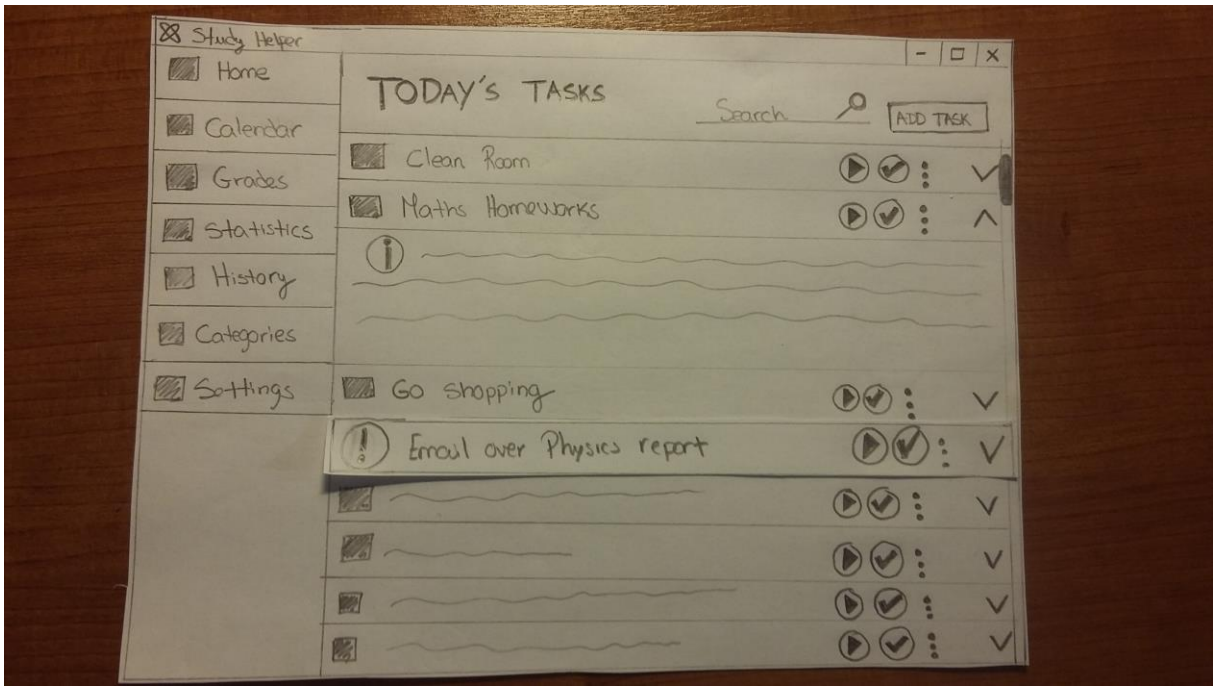

Study Helper
Home
Calendar
Grades
Statistics
History
Categories
Settings
TODAY'S TASKS
Search
ADD TASK
Clean Room
Maths Homeworks
Go Shopping
Study Geography

Task started:

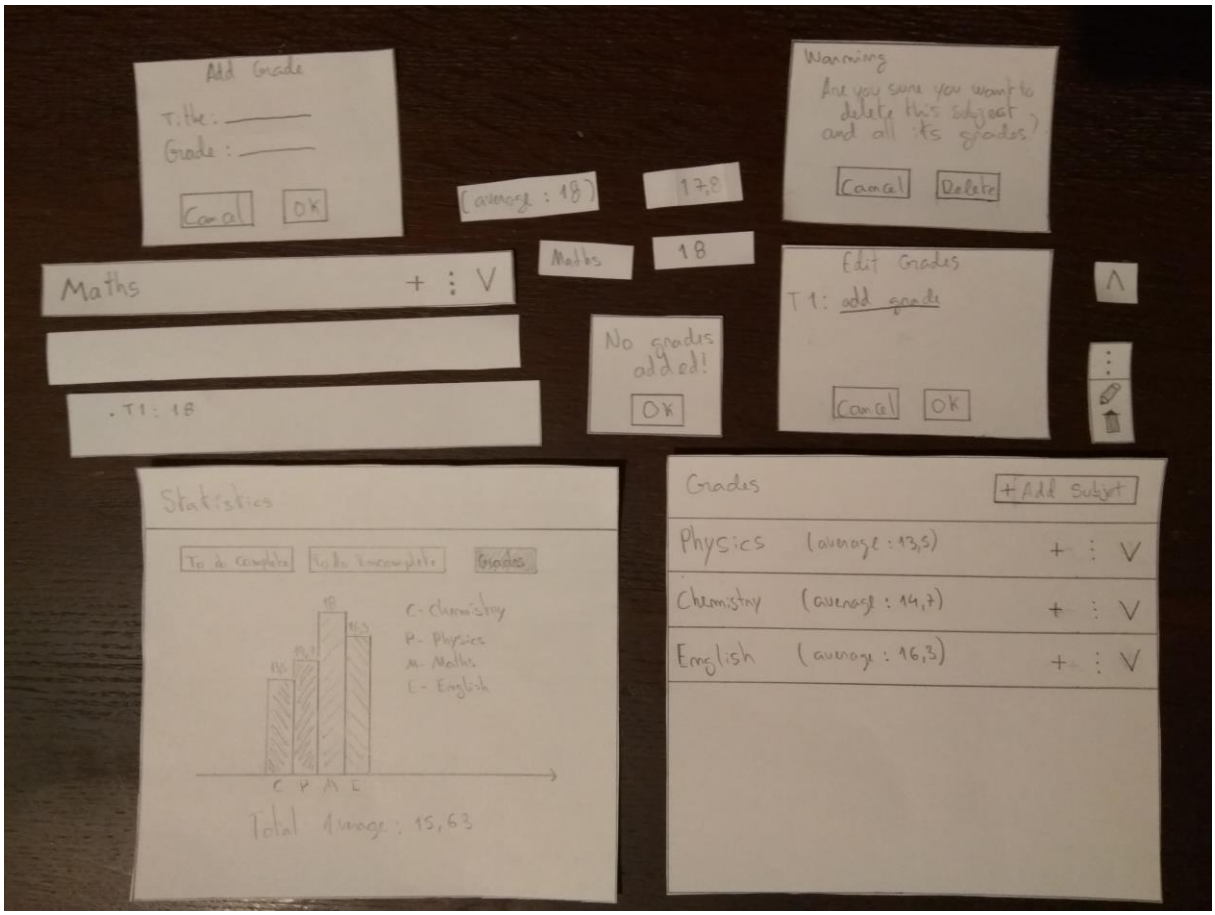


Recover task completed:

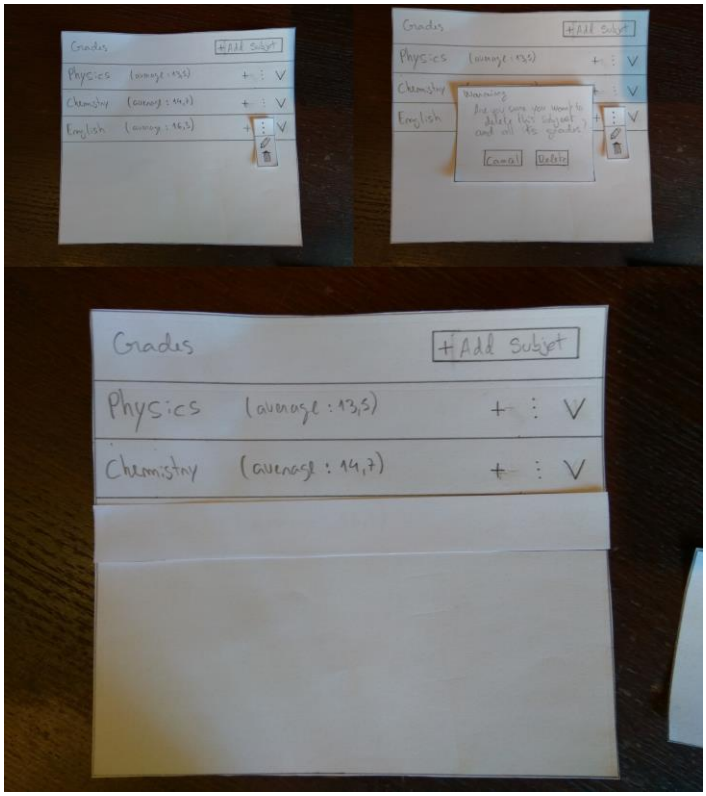




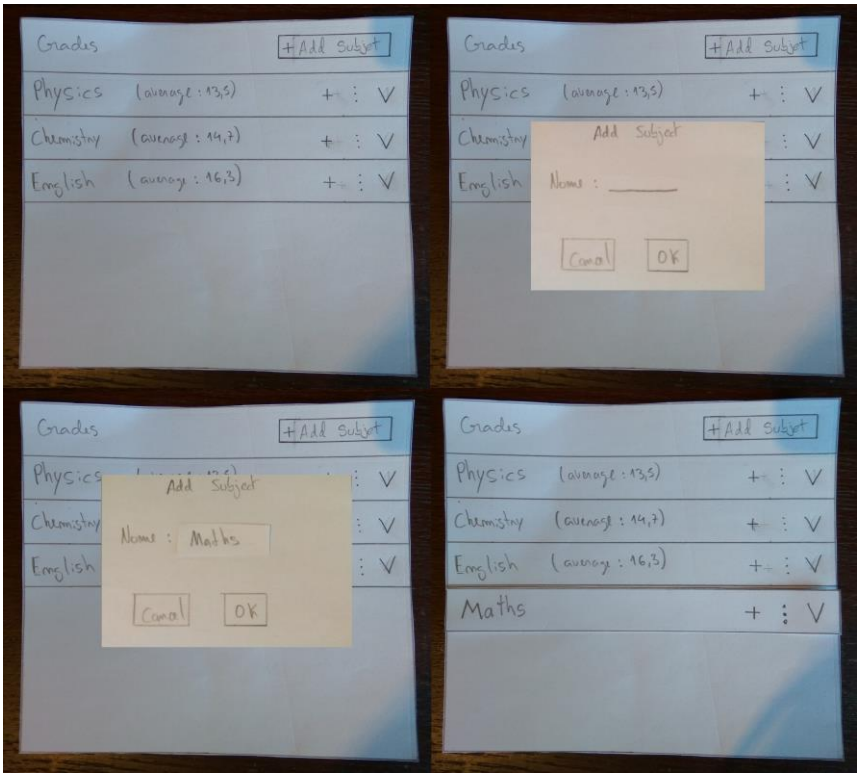
Prototype: Scenario 2



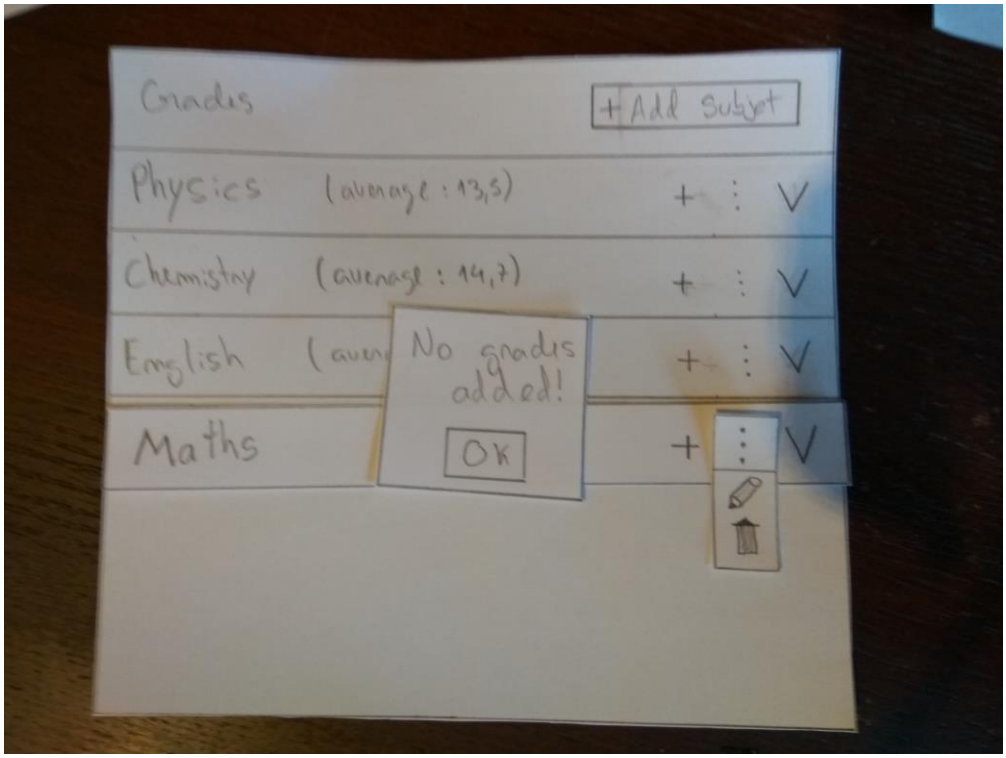
Delete Subject:



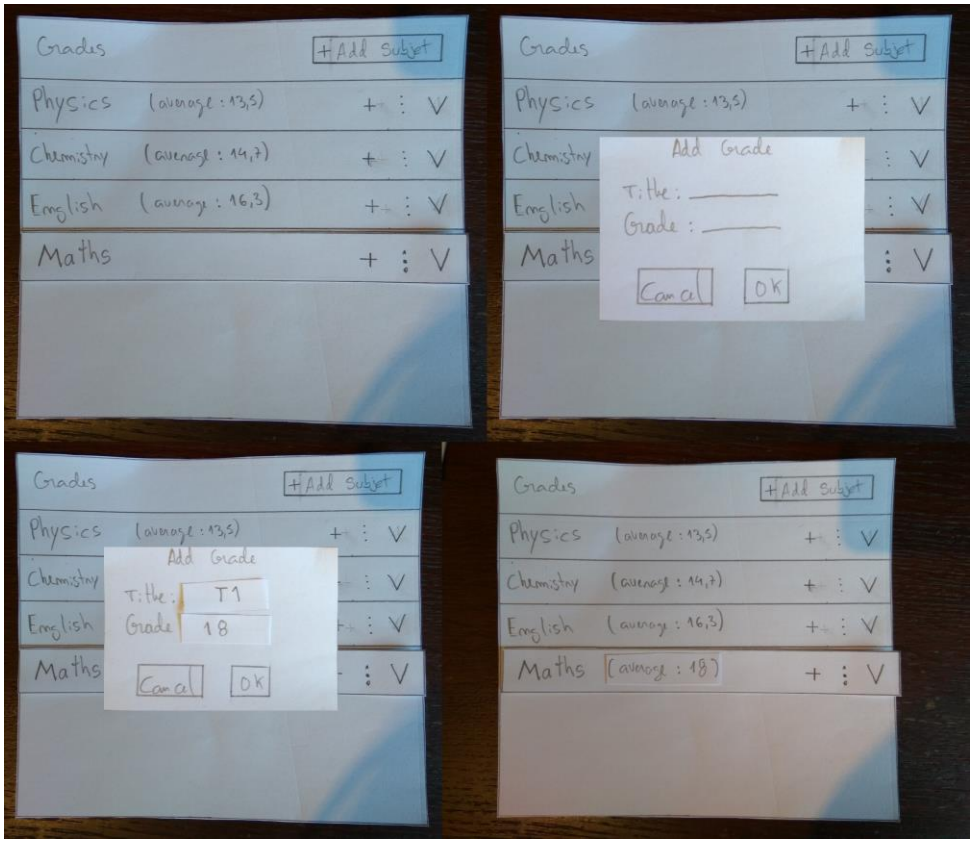
Add Subject:



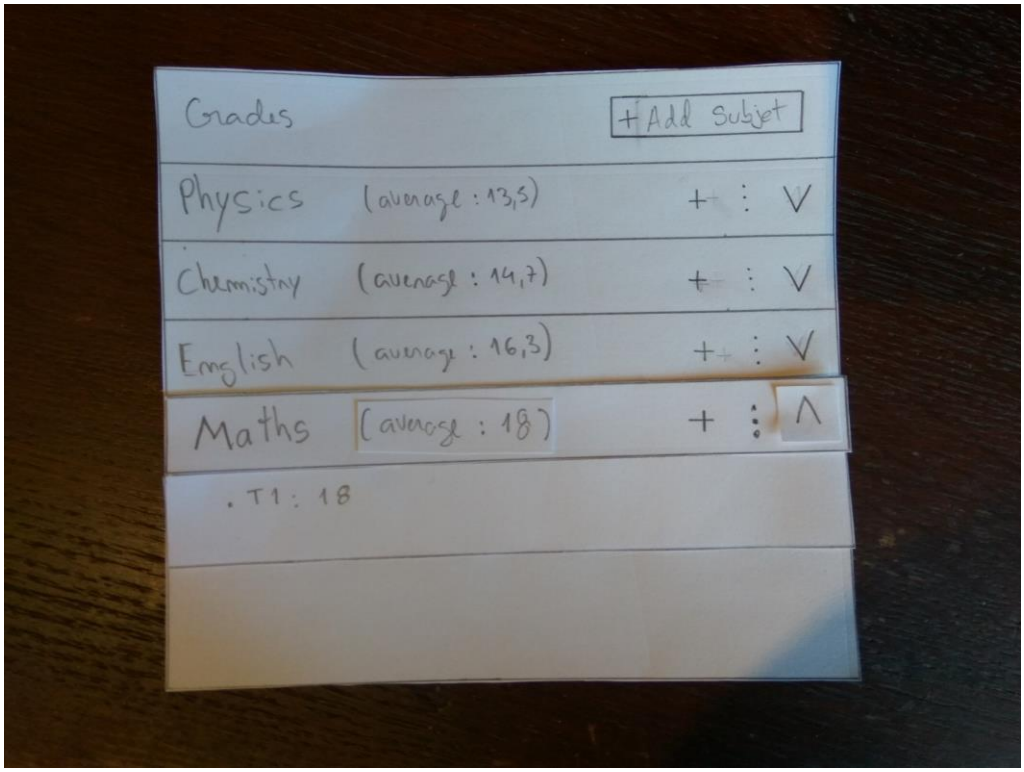
Edit Grades Without Previous Added Grades:



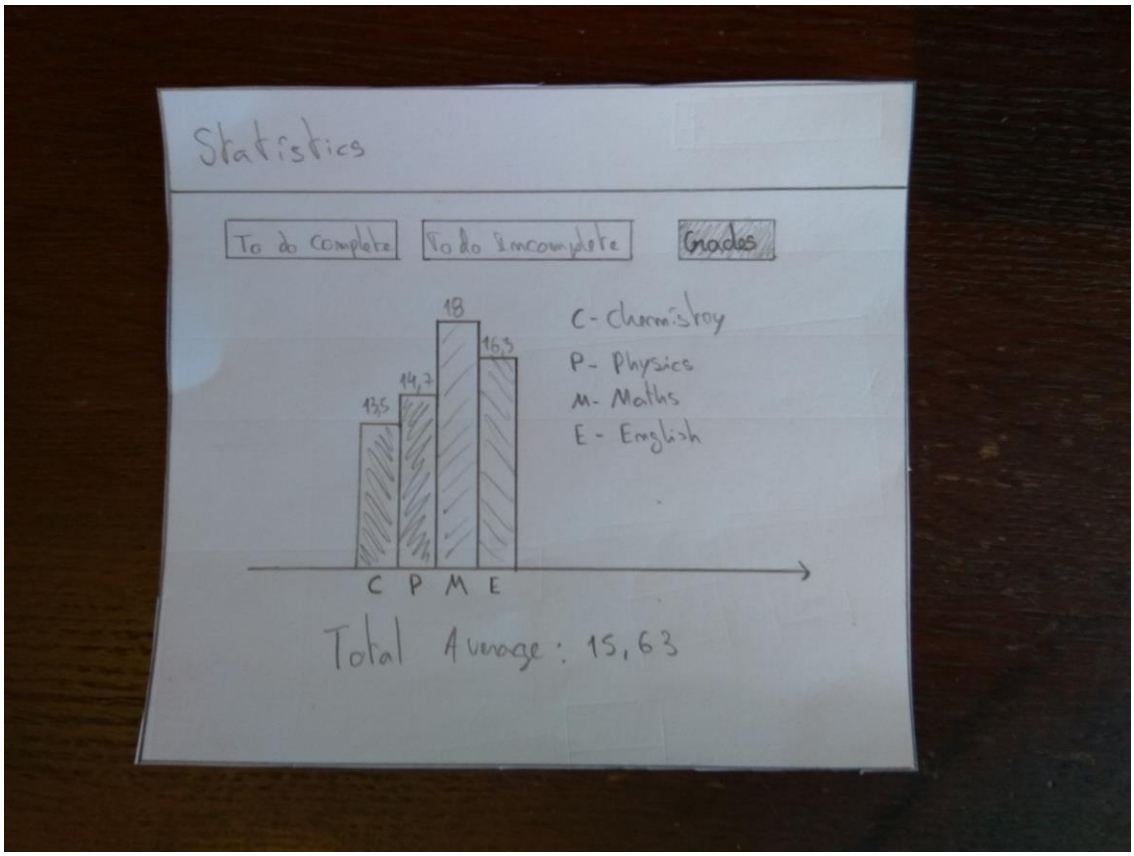
Add Grade:



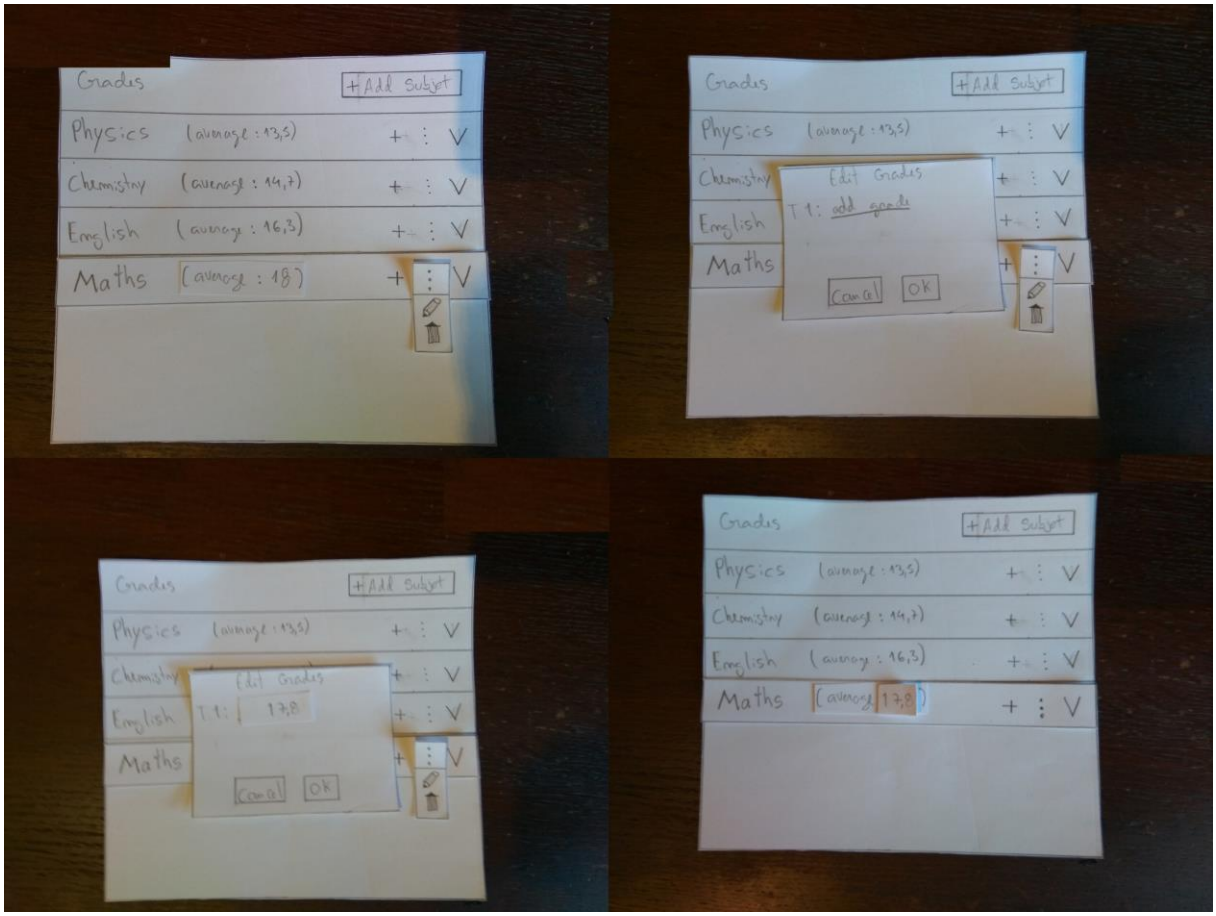
Expand Grade View:



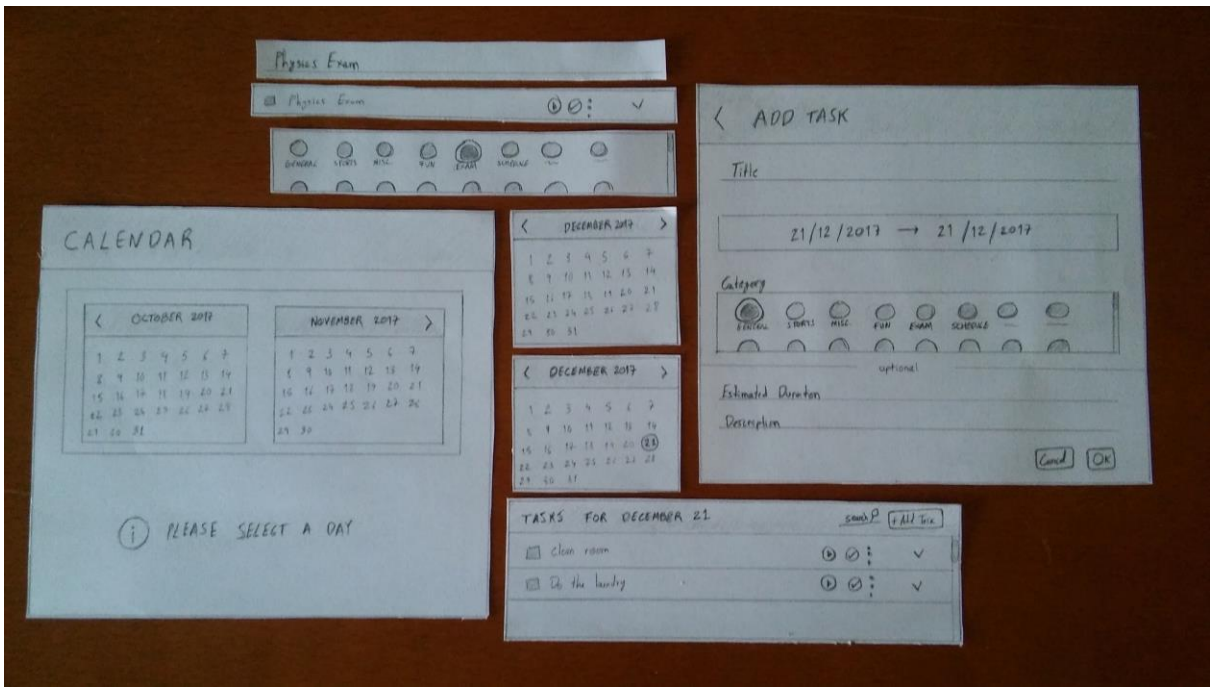
Check Statistics:



Edit Grade:


Grades
+Add Subject
Physics (average : 13,5)
Chemistry (average : 14,7)
English (average : 16,3)
Maths (average : 18)
Edit Grades
T 1: add grade
Cancel
Ok
T 1: 17,8
Maths (average 17,8)

Prototype: Scenario 3



Storyboard

Here we'll showcase a storyboard for one of our three scenarios, scenario 3. Essentially, scenario 3 includes picking a specific day (via calendar) and marking a task with some given attributes onto that day.

Figure 1: Locate the desired month. In this case, December.

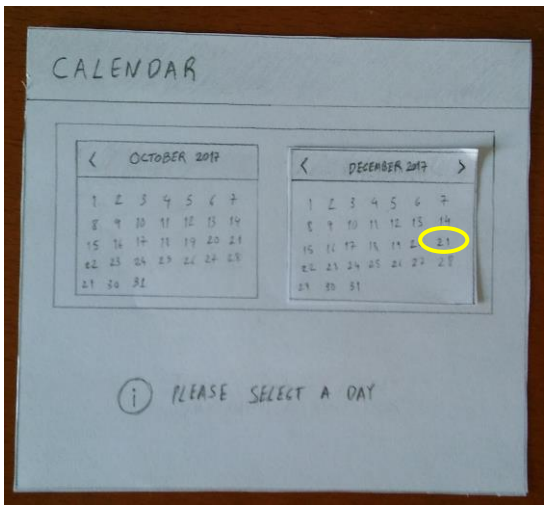


Figure 2: Locate and click on the desired day - 21st of December.

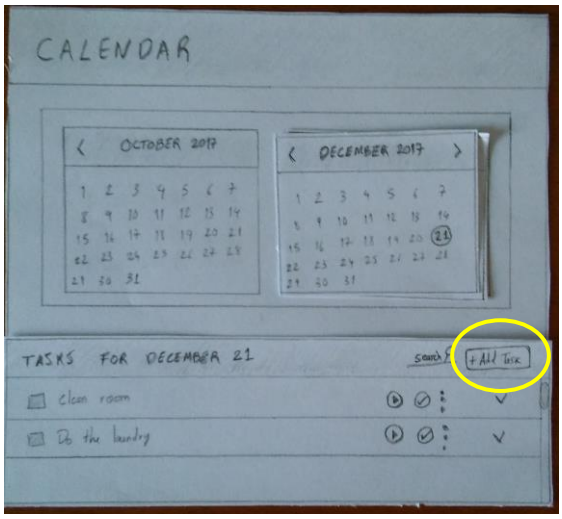


Figure 3: The tasks for that day show up at the bottom. Click on "Add Task" to add a new one.

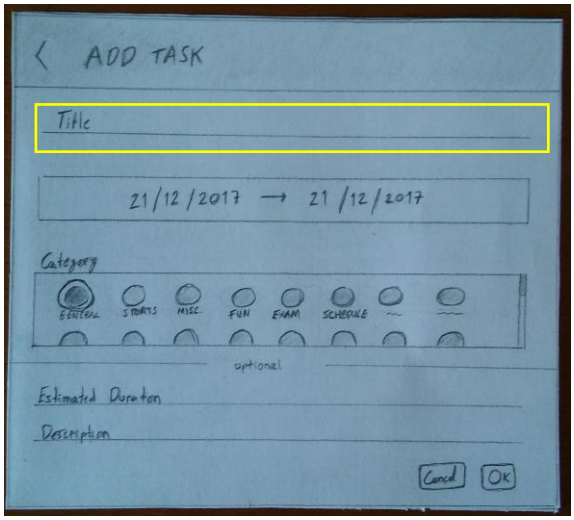


Figure 4: You're now on the "Add Task" menu. Click on the title field to give your task a custom title.

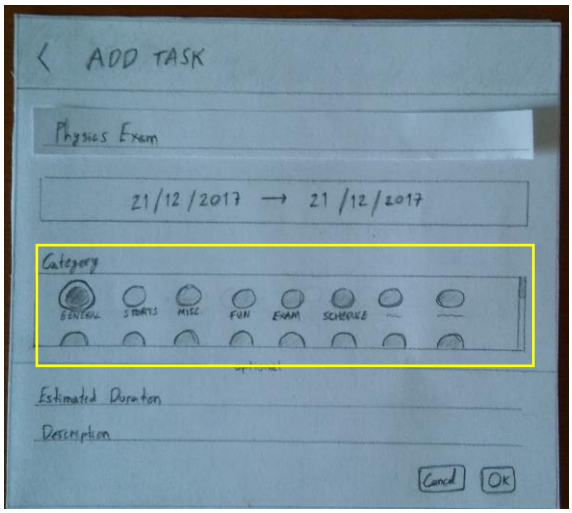


Figure 5: After that's done, select a category from the presented categories list. For this example, the category chosen is "Exam".

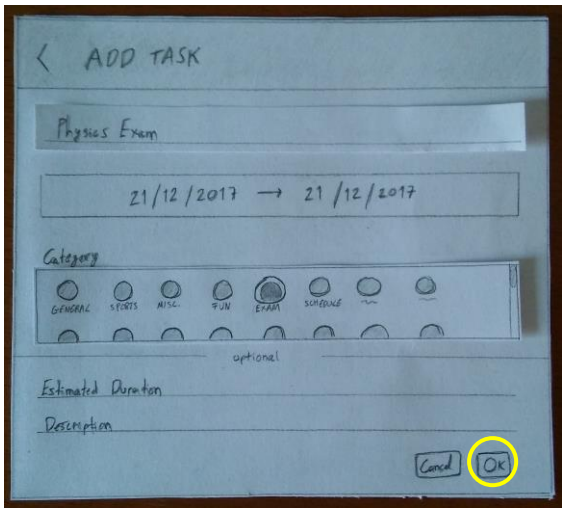


Figure 6: The optional fields are not part of the scenario; thus, we can click "Ok" to finish.

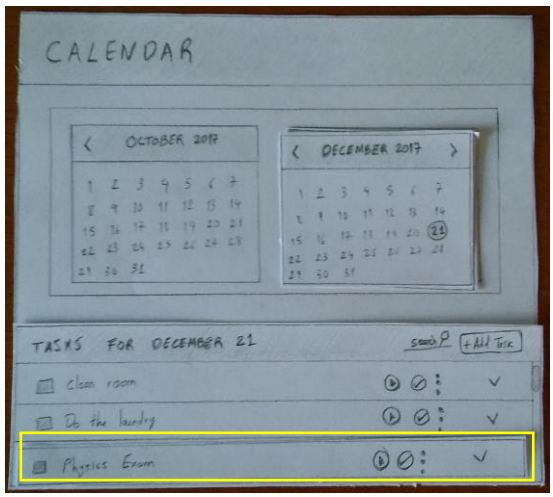


Figure 7: As expected, the just-added task is now shown on the task list of December 21st! Scenario complete.