

AAAA! I'M
SO BAD AT
ESTIMATING
HOW LONG
PROJECTS
WILL TAKE.



DON'T PANIC—THERE'S A
SIMPLE TRICK FOR THAT:
TAKE YOUR MOST
REALISTIC ESTIMATE,
THEN DOUBLE IT.



OKAY, BUT—



NOW DOUBLE
IT AGAIN. ADD
FIVE MINUTES.
DOUBLE IT A
THIRD TIME.




OKAY...

30 SECONDS HAVE GONE BY
AND YOU'VE DONE NOTHING BUT
DOUBLE IMAGINARY NUMBERS!
YOU'RE MAKING NO PROGRESS
AND WILL NEVER FINISH!



MOMENTUM

yOu ArE rEaLly GoOd aT eSTimAtinG 

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PROBLEM MOTIVATION

- Development teams want to know how long their project will take.
- **Small teams are lean.** They don't have a lot of resources to devote to estimating time.
- A good estimation tool should balance the amount of work required by the developer and the accuracy of the estimation.

GOAL

Momentum will be **easier to use** and **more accessible** than existing tools for teams of 1 to 15 people.

EVIDENCE BASED SCHEDULING (EBS)

- A statistical tool for estimating project completion time.
- Learns a model of effort estimation error for individual developers.
- Combines individual task estimates into a ship date forecast.
- Simple. Only requires developer to provide times estimates.

EXISTING TOOL: GUI



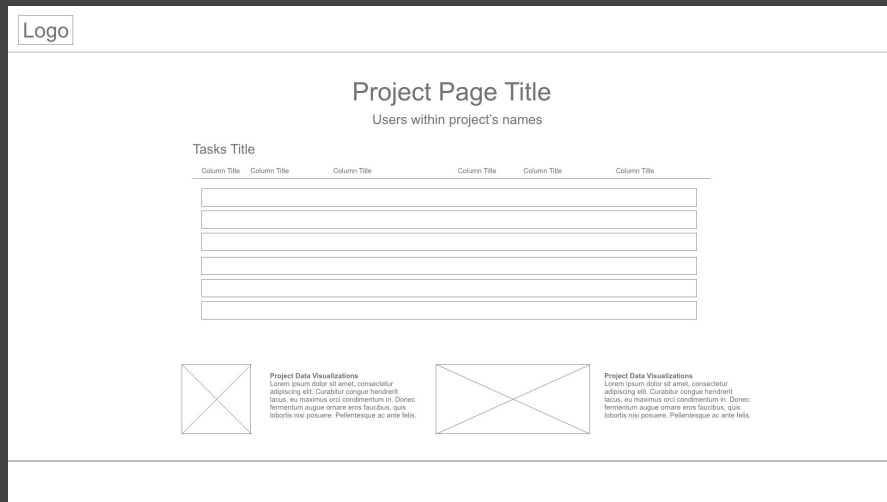
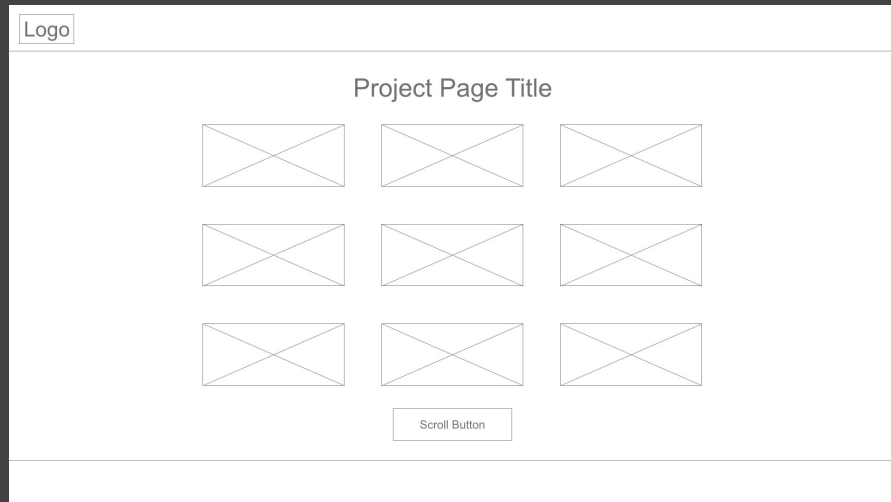
Manuscript GUI Screenshot (Left Panel):

- Header:** Case List, Search cases & wikis
- Planner:** Onboarding Planner, + Add Milestone, Add Filter Column
- Intro to Manuscript:** 5 Cases / 0.42 hours remaining. Group By: None. Cases list includes: 16 Intro Case for Anita, 1 Welcome to the Planner in Manuscript!, 6 This is a case (click me for more detail), 7 Update the status of your cases, 10 Group cases by clicking the dropdown above.
- Set up your account:** 4 Cases / 0.33 hours remaining. Group By: None. Cases list includes: 2 Create your first project(s), 3 Create your own Planner, 4 Use Kanban to create a lightweight workflow, 5 Find your data through search and filters.
- Configure further:** 2 Cases / 0.17 hours remaining. Group By: None. Cases list includes: 8 Set up your help desk, 9 Integrate Manuscript with your favorite tools.

Manuscript GUI Screenshot (Right Panel):

- Header:** Case List, Search cases & wikis
- Account & Settings:**
 - YOU:** Activity, Snippets, Subscribe, User Options
 - MANUSCRIPT:** Custom Fields, Documentation, Email All Users, Extra Features, Integrations, Mailboxes, Priority, Projects, Session Management, Site Configuration, Source Control, User Groups, Users, Webhooks, Workflow, Your Manuscript Account
 - Log Out**

MOMENTUM: GUI



USER RESEARCH

We will validate the observations that we've made with formal user experience research by:

- Observing how users interact with Manuscript.
- Studying how users interact with our prototypes.
- Refining our design based on user feedback.

MEASURING SUCCESS

We will base the success of this project on the following factors:

- The ability of a first-time user to access project and task creation
- The number of clicks and time taken to achieve these functions on both tools
- Reviews on the user experience for our tool

Possible threats of validity include:

- Limited number of user studies
- Limited time to evaluate the effectiveness of our tools on long-term projects

QUESTIONS?