MVP Platform

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Progress Report

Introduction

Team Remix

Evan Tschuy, infrastructure, CoreOS

Steven Powers, DBA, UI/UX, Web

Josh Mattson, PGEUT Applications

Our TA

Jon Dodge

PhD student,
Computer Science

Our Client

Dr. Carlos Jensen

Director of CASS

Associate professor in the
    School of EECS at OSU

Researching Usable Privacy and Security

Teaching Social and Ethical Issues in Computing

Our Client

Writing a textbook

Frustrated with current offerings in
the textbook market

Interested in a better way to write
textbooks for everyone

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Description & Purpose

Definitions

What it does

What it will look like

Why we are developing it

Who will use it

Definitions

Scrap - A section of a textbook, which can contain text or media

Section - An ordered collection of Scraps belonging to a chapter

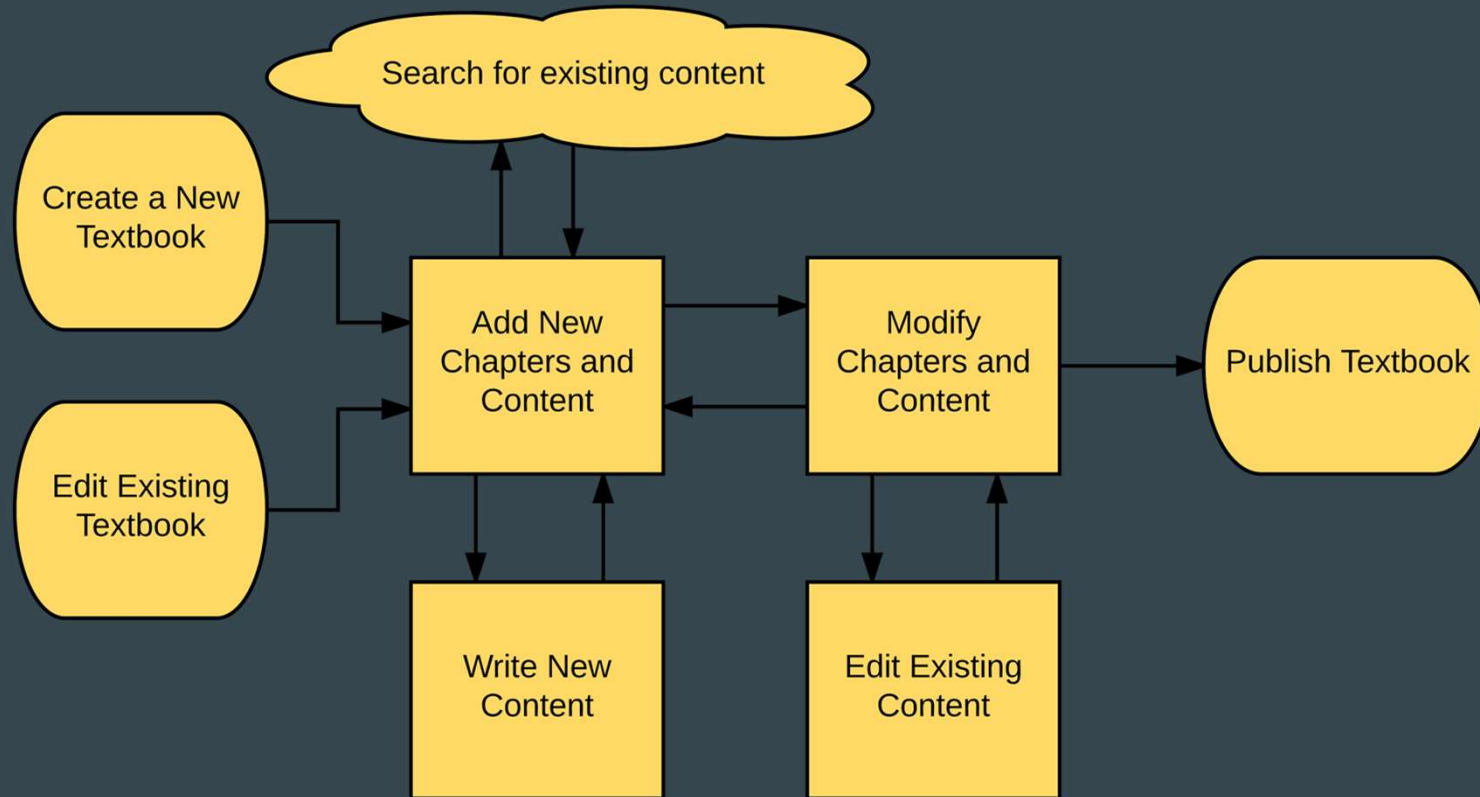Chapter - An ordered collection of Sections and Scraps

What it does

A platform for creative textbook remixing using content from other experts in your field.

Create the perfect textbook by "remixing" exactly the texts you want

Search for new texts with easy-to-use discovery tools

What it will look like

Why we are developing it

Customizing a textbook is currently not possible

Textbook writing should be like research —
collaborative and open

A professor should not have to choose between
having to spend years of time writing and not
having the text they need to teach effectively

Who will use it

- Professors that want to create their own textbooks

- Those that want to "remix" existing textbooks to match their course focus area

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Design

Frontend

Backend

Server

Revision Control

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Frontend: Aurelia

A JavaScript framework in use since 2010

A branch of AngularJS

Compliant with W3C

Backend: NodeJS

Using the Express framework

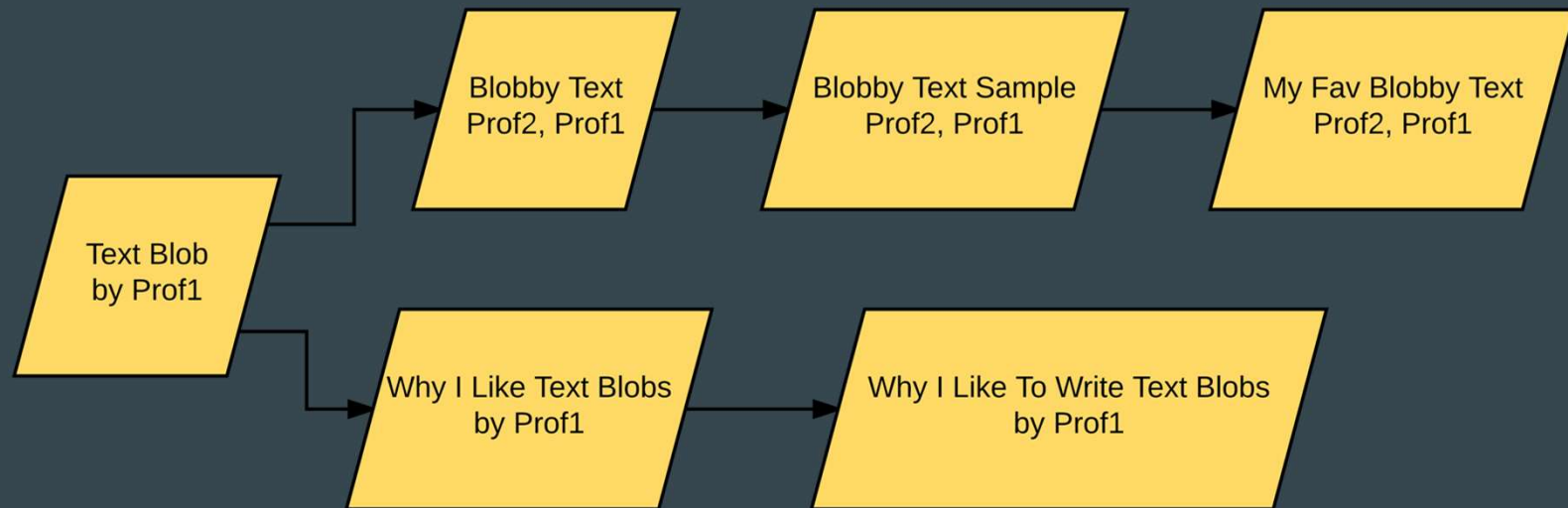NodeGit library for communication with Git

Git as Textbook Revision Control

Open Source

Individual scrap/section/chapter changes will be
tracked on individual repositories to allow easy
forking

Textbook Revision Control

Textbooks can be forked and contributed to by users wanting to customize them
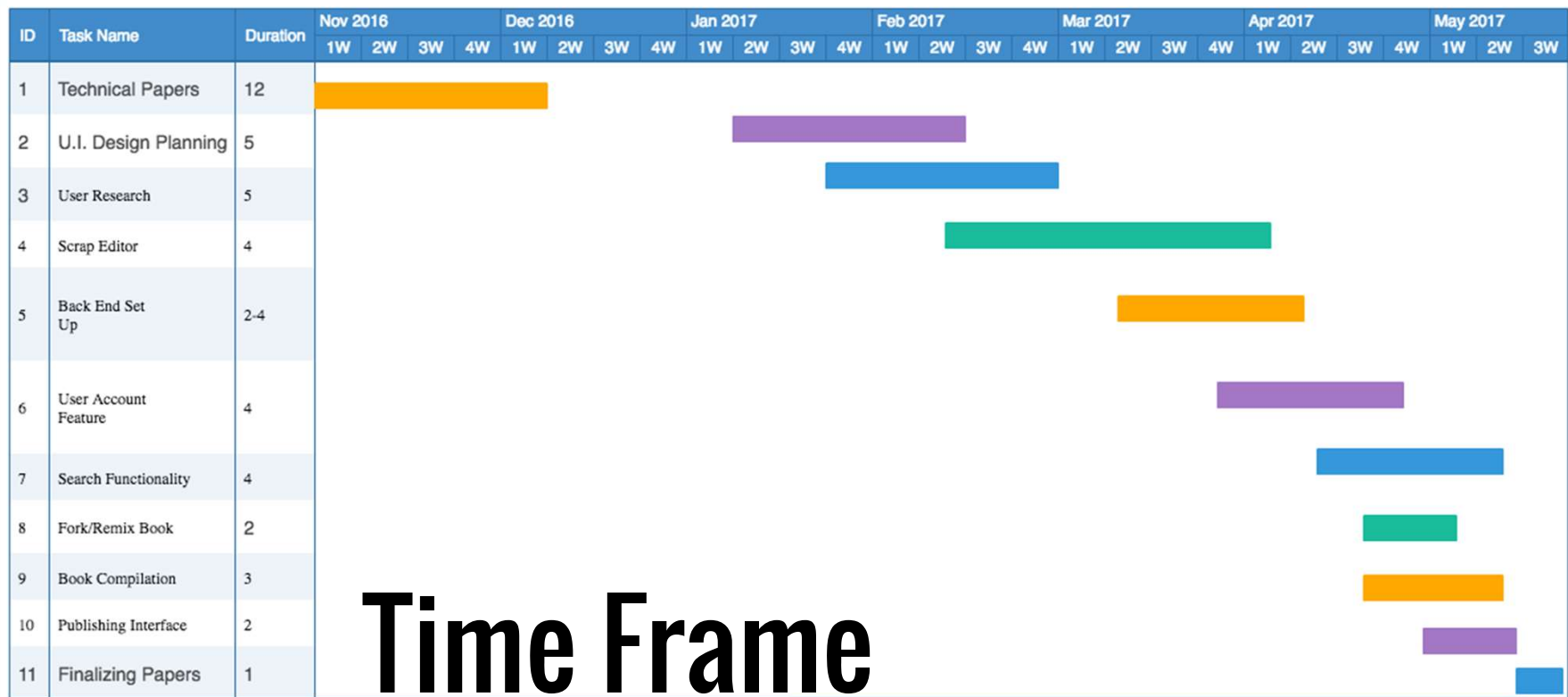
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Goals

Vision

Time Frame

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Vision

An easy-to-use platform

A product that can revolutionize the textbook
industry

Make it simple to have the book you want in your
classroom, even if it doesn't exist yet

ID	Task Name	Duration
1	Technical Papers	12
2	U.I. Design Planning	5
3	User Research	5
4	Scrap Editor	4
5	Back End Set Up	2-4
6	User Account Feature	4
7	Search Functionality	4
8	Fork/Remix Book	2
9	Book Compilation	3
10	Publishing Interface	2
11	Finalizing Papers	1

Time Frame

[online diagramming & design] creately.com

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Other Details

Impediments

What's Next

Impediments

- Client communication has proved more difficult than we expected.

  - We are addressing this by planning for weekly meetings, in addition to weekly emails with our client.

Impediments

- Time availability has been a difficult balance between our various classes

  - Next term's schedules have been arranged to have a set meeting time for the group once a week

What's Next

Implementation

Moving from technology decisions into
    development phase

Frontend functionality design

Backend API design and data storage

Conclusion

The coming term

Winter Break as a time to solidify design

Better communication as a theme of the term

Let's do this!