OSU-wide Transfer Guide Generator

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Goal of the Project

Advisors have an online tool that can generate transfer guides based on a template and current course equivalents. The major component of this project will consist of the web-based editor itself.

- Provide forms for advisors to input information and save the changes
- Create a downloadable PDF file of the transfer guide
- Provide a uniform style for the OSU transfer guides
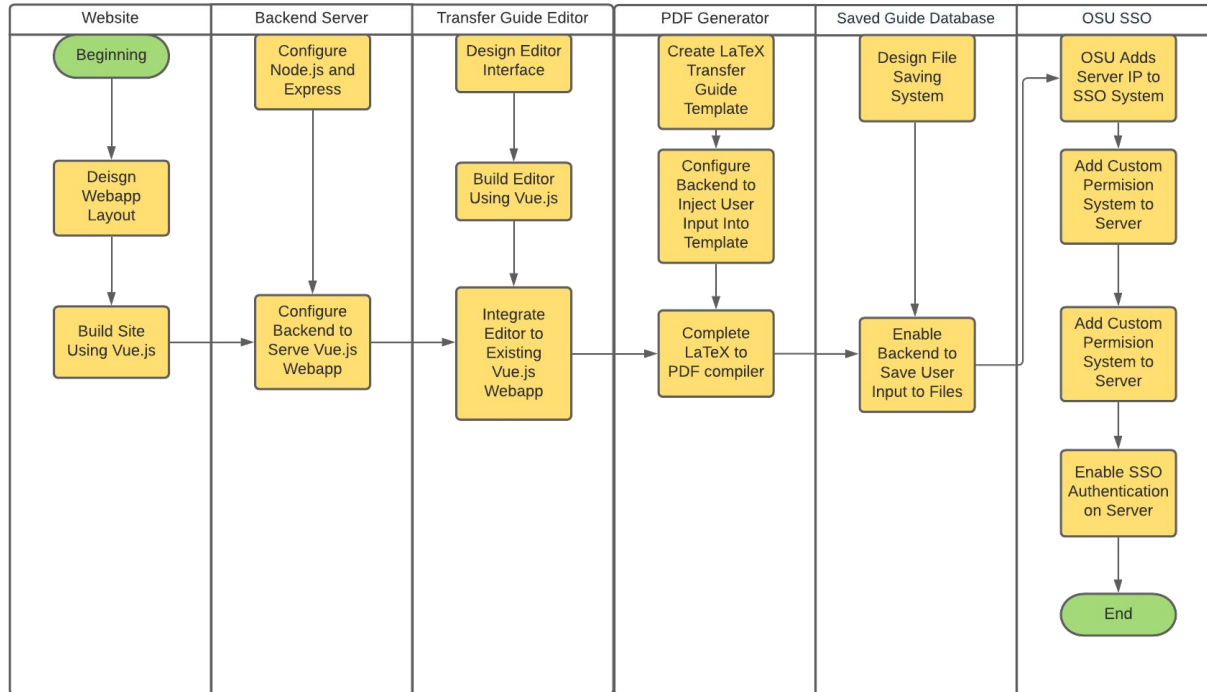
Tool Set

Version Control: **Git/Github**

Communication: **Discord/Zoom**

Task Management: **Trello/Scrum**

Frameworks: **Vue.js/Node.js**

Development Environment: **Visual Studio Code/Ubuntu Linux**

Design Scheme and Process

Website	Backend Server	Transfer Guide Editor	PDF Generator	Saved Guide Database	OSU SSO
Beginning	Configure Node.js and Express	Design Editor Interface	Create LaTeX Transfer Guide Template	Design File Saving System	OSU Adds Server IP to SSO System
Deisgn Webapp Layout		Build Editor Using Vue.js	Configure Backend to Inject User Input Into Template		Add Custom Permision System to Server
Build Site Using Vue.js	Configure Backend to Serve Vue.js Webapp	Integrate Editor to Existing Vue.js Webapp	Complete LaTeX to PDF compiler	Enable Backend to Save User Input to Files	Add Custom Permission System to Server
					Enable SSO Authentication on Server
					End

Perceived Challenges

- Updating/editing the templates to make the system future-proof
- Using a non-OSU database to create a hierarchy to allow certain features to be accessible
- Saving and previewing the templates