



CSE 112 Project Selection

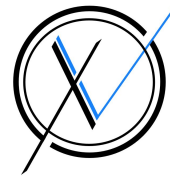
Team XV

Our Process

Preliminary reviews for each project, with the top 4 highlighted.

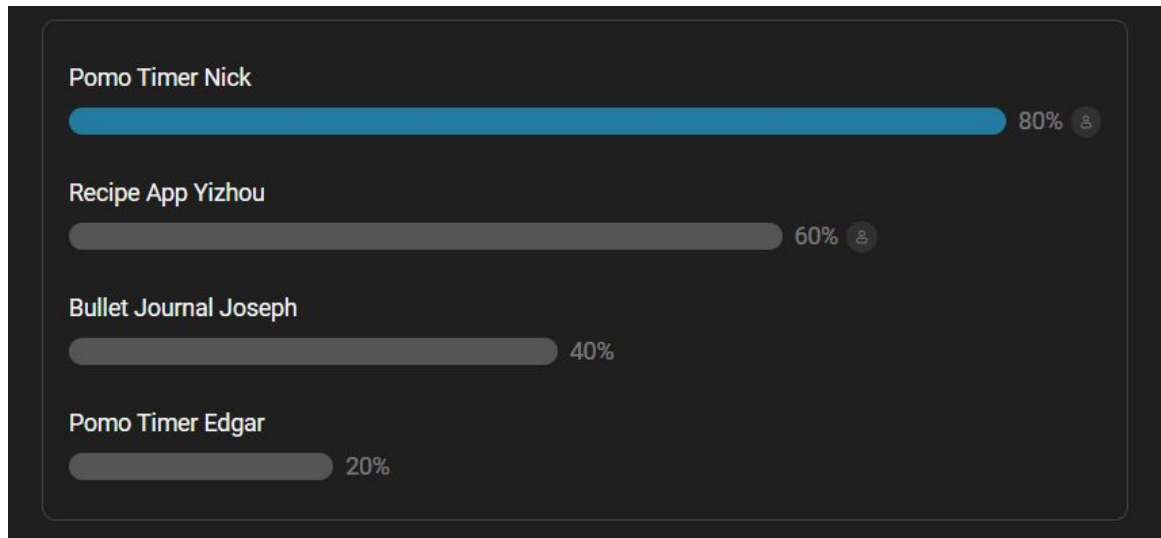
PROJECT	REVIEWER	CODE / REPO SMELLS	APP QUALITY	SELF CONSIDERATIONS	SCORE	AVERAGE	DETAILED RESPONSE
Birds of a Feather(Allen Weng)	Zhuoran Li	3	4	2	8		https://docs.google.com/document/d/1OW651NDpdJUX0ZkwP0M8dyDWVsq2y76B0eShTJIRik/edit
Birds of a Feather(Allen Weng)	Westley Lai	3.5	3.5	2	8	8	https://docs.google.com/document/d/154wAqxIGB9ZYyKWhv6U04zMa_ZMsh3yofH69auJHm/edit?usp=sharing
Birds of a Feather(Westley Lai)	Zhuoran Li	3	2	2	6		https://docs.google.com/document/d/1p8aKLG_O_ft67wULBBc9vRIjpWHXGdINDfVoCoBf1l/edit
Birds of a Feather(Westley Lai)	Allen Weng	3	2	3	6.5	6.25	https://docs.google.com/document/d/1sBrnAqlwV_oA7mmQlhpNNEvVuyJep9i20zU4X5QJfw/edit?usp=sharing
Birds of a Feather(Zhuoran Li)	Allen Weng	3	3	3	7.5		https://docs.google.com/document/d/1DXqpDuXaasum0ql_xXi2TQ3QdNriIHdNI8SVGkwJQ3l/edit?usp=sharing
Birds of a Feather(Nick Li)	Westley Lai	3	2.5	2	6.5	7	https://docs.google.com/document/d/1qZ5PQlum0qEYNBSCPtr8-r8VpnweTCql0LWlqQwckY/edit?usp=sharing
Pomodoro Timer (Nick K)	Matthew Jiang	5	4	5	11.5		https://docs.google.com/document/d/1QEGC2y2fBmLhac63wDarO-xaCr2qUUi1qW68mMiwuE/edit?usp=sharing
Pomodoro Timer (Nick K)	Han Nguyen	4.5	4	3	10	10.75	https://docs.google.com/document/d/1KO7PYuURGmuELW1woVqUwGY9RqCuiSaflDnfcK0Sn8/edit?usp=sharing
Pomodoro Timer (Edgar)	Matthew Jiang	5	3	5	10.5		https://docs.google.com/document/d/1NArMaqb6Q649GwviPHEMbe2LSiGwHqkw9EQMpyYDSK9g/edit?usp=sharing
Pomodoro Timer (Edgar)	Joseph C. Priyanto	5	3	5	10.5	10.5	https://docs.google.com/document/d/1HlPvDhT-vfJR8n61b0-BrRVPTqM82Jo0qaauwvBN8XY/edit?usp=sharing
Bullet Journal (Pablo Gratas)	Yizhou Wang	4.5	3	5	10		https://docs.google.com/document/d/1Zdy0e8DkydR1Vq-a5WlWSK2waiS3zA9LAWo0zkOc2s/edit
Bullet Journal (Pablo Gratas)	Han Nguyen	3.5	4	4	9.5	9.75	https://docs.google.com/document/d/1GfZS3P0uGfYh50oxJO8p7eQdxihvwhkiTbS0RpXEXZE/edit?usp=sharing
Bullet Journal (Joseph Christopher Priyanto)	Yizhou Wang	4.5	4	5	11		https://docs.google.com/document/d/1HxOMKzBqUH-XKQz1RhP6CuXOYK_Rsd71eiNzLaY2vqY/edit
Bullet Journal (Joseph Christopher Priyanto)	Edgar Flores	4.5	3.5	5	10.5	10.75	https://docs.google.com/document/d/1BDKuyIpuK6OiwynAPOFY8QbNwPFXVK5JBxTt01rJwsA/edit?usp=sharing
Bullet Journal (Matthew)	Joseph C. Priyanto	3	2	4	7		https://docs.google.com/document/d/1UNvM-f8-PIYnd8MP7YHqKujlChAtFWMF9Kc1Apa_s/edit?usp=sharing
Bullet Journal (Matthew)	Nick Krolkowski	4	1	4	7		https://docs.google.com/document/d/1MdObkiCNMht7c1Dq6MAZA0p7uc1UUTGA2971tDeouI0/edit?usp=sharing
Matthew - Bullet Journal	Pablo Gratas	5	4	5	11.5	8.5	https://docs.google.com/document/d/1w2Rv_oFQDknkpe9WvSbAvmT1U-GfI-6qDe3sFDnE/edit?usp=sharing
Bread Recipe App (Han)	George Davidson	4	3	5	9.5		https://docs.google.com/document/d/194d0LGMF9w3ayuD5pGFf6_lfnRclCnvTrM0Bu4-2A-s/edit?usp=sharing
Han - bread recipe app	Pablo Gratas	2	3	2	6	7.75	https://docs.google.com/document/d/1MHkRHwCII5nc1v6zCke6LZiACo5nkZPwq25Q3oqzrYk/edit?usp=sharing
Recipe App (Yizhou)	George Davidson	4	5	4	11		https://docs.google.com/document/d/1ffWmKwqcidPs5dGCGPlvUeCHLunHhGaY7pM3A_VIVE/edit?usp=sharing
Recipe App (Yizhou)	Nick Krolkowski	4	4	5	10.5		https://docs.google.com/document/d/1oPoEXOlpbWmRH4vNVJ4J2ipmN2taugQ7wvW0le7epKk/edit?usp=sharing
Recipe App (Yizhou)	Edgar Flores	4.5	4.5	5	11.5	11	https://docs.google.com/document/d/11-mQ6w8EKQJ61En1f5a4tz85SPqBMv6cmNNnOm-q0/edit?usp=sharing

All team members then voted for their preferred project among the top 4



Top 2 Candidates:

Nick's Pomodoro Timer had the most votes. Yizhou's recipe app came close in second place.



Comparing the Top Two

Code / Repo Smells

Pomo Timer

Average evaluation score: 4.75

Pros:

- High code readability! Code is very structured and organized.comments are appropriate and concise.
- Collaboration friendly! Detailed wiki on how to contribute to the project.
- Issues and pull requests are easy to understand and used appropriately.
- All necessary specifications such as diagrams, CI/CD pipeline and decent organization of important documents are present.

Cons:

- Testing is up and running, but it definitely needs to be improved. For example, user-interaction testing is lacking (with Puppeteer or something similar).

Recipe App

Average evaluation score: 4.25

Pros:

- Thorough and clean looking diagrams, these will be helpful in better understanding the project.
- CI/CD pipeline in place and decent organization of documentation compared to other projects in consideration.
- Ultimately a well thought out project.

Cons:

- Lack of comments outside of JSDocs which reduces code readability.



App Quality

Pomo Timer

Average evaluation score: 4

Pros

- Good tutorial (tour) implementation, very helpful for new users.
- Can control key features of the website with keyboard or mouse only (top right taskbar cannot access with kb).
- The app functions well, no major bugs to note.
- UI looks clean on PC.

Cons

- UI in mobile (or smaller screen) it doesn't scales well. Most of the elements are either misaligned, on wrong layer, or missing when shrinking the screen.
- UI is clean but unappealing, no customization to speak of besides toggling dark mode.
- Swapping order for the tasks can be tedious (you can only bring one task to the top one at a time).

Recipe App

Average evaluation score: 4.5

Pros

- Simple to use, main functions work well and are fairly intuitive.
- App functions properly, no major bugs to note.
- UI looks clean, scales well on smaller screen.

Cons

- Not enough feedback (personally) on interacting.
- Cannot control some elements with keyboard only (difficulty, ingredients, steps).
- looks too plain on PC or larger monitors, especially true on button margins.
- Add button on the bottom shrink/grow in size when swapping between dashboard and settings.
- Search bar result is... weird; unclear that you can search for recipes from a pre-existing database.
- Inconsistent polish (webpage doesn't have a favicon for example).
- No customization either.



Personal Considerations

Pomo Timer

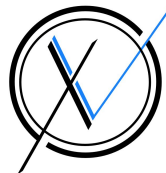
Average evaluation score: 4

- Uses standard web dev tools such as Jest, JSDoc, and ESLint, so those who took Powell's CSE 110 will be familiar with the toolkit.
- Minimal use of third party tools - Intro.js (for interactive tutorial) and Materialize (for CSS), which are both easy to pick up and use.
- Simple nature of the app makes the potential for polish and improvement quite high.
- The app could be extended by adding game components to further motivate users. Social aspect could be added to allow users to see others' progress. More detailed statistics could be added, such as monthly/yearly views to track pomo session frequency.
- Lower complexity of the project makes it easier for us to familiarize with and more likely for us to reach a high standard of quality within the time constraints given.

Recipe App

Average evaluation score: 4.67

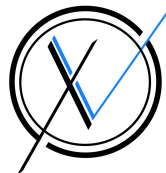
- Uses standard web dev tools such as Jest, puppeteer, JSDoc, and ESLint, so those who took Powell's CSE 110 will be familiar with the toolkit. However, the recipe API might take some time to learn.
- The app could be extended by adding features to modify & delete recipes that the user created, as well as to share recipes on social media.
- Not everyone on the team is experienced with cooking or interested in cooking, the project might not be interesting to everyone.
- Lots of little features and components here and there - would be more difficult to learn the codebase and improve/iterate upon.



Project Alignment with Team Values

Our team values:

- Accessibility
- Practicality
- Maintainability
- Reliability
- Simplicity



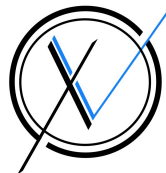
Project Alignment with Team Values

Pomo Timer

- Simplicity is one of our team's core values, so the straightforward concept of the pomodoro timer appeals to us.
- Having a simple concept suggests a simple implementation, which makes it easier to foster maintainability and reliability.
- Is a timer at its core - the only operation necessary for someone to make full use of the timer is start/end, which makes the app very accessible.
- Especially practical for us as students, but time management is undoubtedly important for anyone if they wish to succeed at what they do.

Recipe App

- More complicated concept undoubtedly leads to a more complex implementation; would be more difficult to keep it simple
- Increased complexity makes it more challenging to have maintainability and reliability
- Requires fine operations such as text entry and option selection, which hinders accessibility
- Practical for people of all demographics as long as you like to cook.



Our Choice

With all of the above in mind, our team decided to go with **Nick's Pomodoro Timer** as our project of choice.

We felt that Nick's project was in a good shape for us to build off of, and the concept itself would better fit the time constraints of the class and the abilities of our team members.

Yizhou's project was no slouch either, but the complexity of the app made it difficult for us to imagine being able to improve and polish the app to a high standard of quality within 6-7 weeks.

