Continuous Integration and Deployment

The benefits of making this our next big project

First off, what is CI/CD?

- CI - An automated practice where developers integrate their code (new features and bug fixes) into a common repository probably several times a day
- CD - The automated process where these new code (features/fixes) is made available to the users immediately they pass a quality assurance check

Benefits

- Faster releases. Developers no longer need to wait weeks/months to justify a huge release cycle before making new deployments. This means users get new features faster.
- Early fault detections. Failures are loud and quick and are corrected immediately - before the user is ever aware of them
- Continuous testing. New code is tested extensively by an impartial machine before being integrated into existing code. This should drastically reduce the number of bugs that end up in production
- Easier rollback - In the unlikely event of a bad deploy, it is a lot easier to immediately rollback to the last working version of the production environment

Cons

None!

Okay, to be honest, this might take a sprint or two to set up correctly so it takes some time away from clearing the backlog but the immediate benefits after setup far outweigh this momentary delay.