**Group 3: Film Review Application  
Milestone 2: Deployment Engineer  
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**Github Link:** <https://github.com/Soorxa/Group3Project>

**Integration and Deployment Process:**

In this sprint, we as a team have integrated all the code and documentation changes. This process follows the deployment steps defined earlier, ensuring that all changes are deployed in a seamless manner, minimizing any potential disruptions.

**Version Control Log:**  For the version control log, as we can see below with the screen shots. There is updated versions of the app. Each new version is showed in the git log, this provides all commits that have been done to the git hub repository from all team members. A screenshot of a computer program

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There will be an efficient process in moving the code to an area where users can test, this will be the user testing process. There will be a deployed environment where the completed code will be staged. This will be the code branch that will handle all the code. There also will be a document branch that will handle all the engineer’s documentation. The staged area for code which is the main branch will allow users to test the features and bug fixes without affected any development process that are still being processed. Separating the production, development and staging environment, it could be made sure that the user testing will not impact the ongoing coding development. Only the code that is ready to be proposed or shared will be in the main branch to allow users to see the latest version of the code.

The deployment process, had a few things that went well and had a few things with some challenges added to it. That being the parts that went well included the staging environment that caught the potential issues before they reached the production environment. The team collaboration tools and clear communication had also been a key importance for the smooth deployment process.

Although the few challenges that occurred are the last-minute changes and code additions that made the process quite difficult. Some last minute communication for code additions were a little difficult to get across but went smooth still. Some document additions near the end made some deployment issues. That being the pull requests into certain branches. A few more challenges are working with the Git repository.

Things that could be modified going forward in the deployment process will include, a time zone or limit when tested code can be presented to reduce the delay in deployment process. This helps reduce last minute changes and delays and issues that could occur because of the last minute additions. Code should be in the repository or be in commits earlier on and the team member should be able to request for reviews from pretty much all engineer members. Although getting review results from both the Test Engineer and Deployment engineer is quite important as the Test engineer can send review results of when and where the code had issues etc, this allows the deployment engineer to understand which code is ready to be published in the main branch which will be available for any user to access with no issues.

The process in which the team will be reviewing code to ensure alignment with coding standards will be with paired coding and/or team reviews. For paired coding, some team members use paired coding. This is for the complex features, and this would allow for real time feedback and will make sure that at least two people have reviewed the code. With team reviews the code is ensured that the team has reviewed it before merging it into the main branch. We will be doing paired review, utilizing the team members of software engineer and the deployment engineer. As for a contributor of being a Deployment Engineer I had reviewed all code changes and seen which ones work and which ones do not.