# COMP3000 Computing Project

## 2024/2025

### Project Title

*Enter your project title here. Please remove grey italic text from your submission.*

Janus Version Control System

### Links

Source code:https://github.com/benjaminsanderswyatt/Janus-Version-Control

### Project Vision

*Outline your initial project vision here. Setting out your project vision at the start does not set it in stone, it can change as you develop your ideas, but you must provide a starting point.*

*Follow the format suggested here* [*https://martinfowler.com/articles/lean-inception/write-product-vision.html*](https://martinfowler.com/articles/lean-inception/write-product-vision.html)

*For [who?]*

*Whose [problem]*

*The [name of your product]*

*Is a [type of product]*

*That [what are the key reasons]*

*No need for the different from or our product.*

For project developers

Whose problem is that they need an easy-to-use system to manage changes, store previous versions and access projects across multiple devices.

The Janus Version Control System

Is a version control system

That combines a command line interface (CLI) for local version control with a web app that allows developers to remotely manage and access their project from many different devices. This includes storing multiple versions of projects, viewing/reverting to past versions and uploading the project to the web app to be downloaded at a later time.

### Risk Plan

*Identify here potential risks to your project and outline how you will address those risks. For further information view the risk management resources provided in support materials section.*

|  |  |  |
| --- | --- | --- |
| Feature Creep |  |  |
|  |  |  |
| Ease of use |  |  |
|  |  |  |
| Scalability |  |  |
| Performance |  |  |
|  |  |  |
| Security Risks |  |  |
| Data Loss |  |  |
| Legal and Licensing Issues |  |  |
|  |  |  |
| Platform Compatibility |  |  |
|  |  |  |
| Concurrency Issues |  |  |
|  |  |  |
| Integration Issues |  |  |
| Technical Issues |  |  |
|  |  |  |
|  |  |  |

### Proposed Gantt chart

*Identify here your proposed work packages and how they will fit together over the time you have available. This is a high level estimate.*

**Light green:** Research & Planning

**Blue:** Command line interface

**Red:** Website

**Yellow:** Database

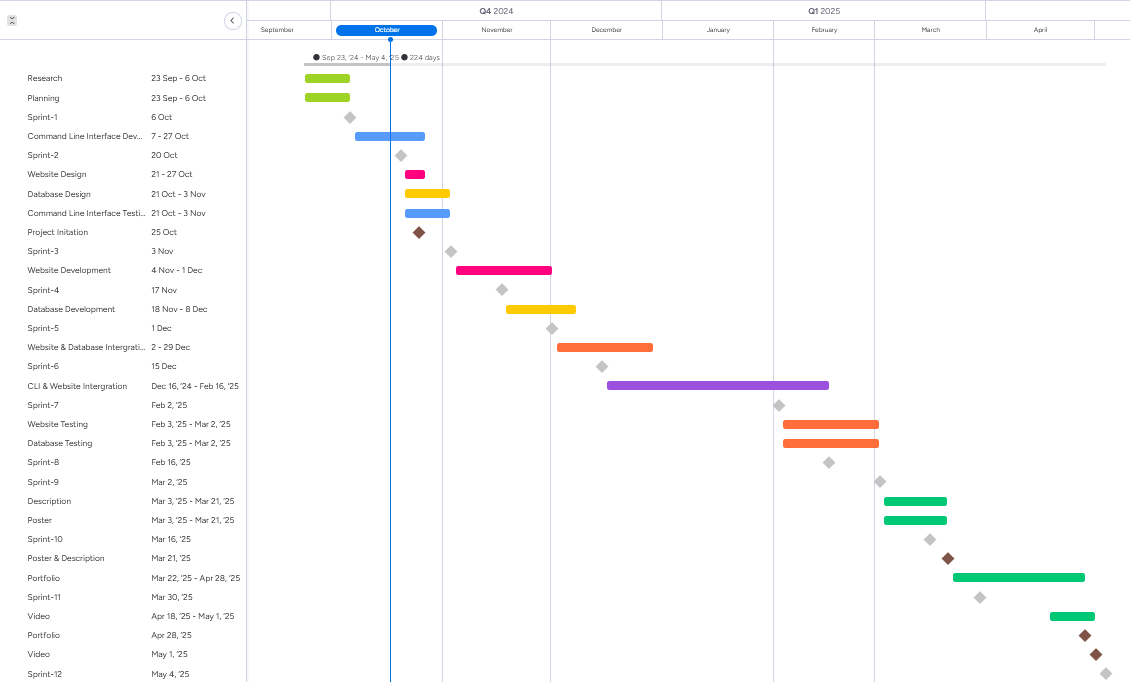
**Orange:** Website & database integration

**Purple:** Command line interface & website integration

**Dark green:** Submissions

**Grey Diamond:** End of sprint

**Brown Diamond:** Submission points



### Keywords

*Provide keywords for your project to enable searching*

* Version Control
* Command Line Interface
* Code Management
* Commit History
* Backup
* Integrity
* Cloud
* Cross Platform
* Version History