

**Implementation Constraints Plan for the Gym Project, weeks 4-5 of Professional Software Development - CodeClan, Augustas Juskevicius**

Constraints Category	Implementation Constraint	Solution
Time limitations	7 days are given till completion, and more advanced features may require too much time to implement	Focus on the main features, limiting the application to admin side for starters.
Persistent storage	Member's data will have to be stored on the back-end to achieve persistence	Set up a web server linked to a postgresql database where all the gym info will be stored
Lack of interactivity using sinatra	Highly interactive websites are difficult to achieve with sinatra framework and ruby	Create a clear views hierarchy, and keep the design simple but effective.
Users area	Not enough time to create a functional users area with login and authentication capabilities	Prioritize backend and administrative functions of the application and create a data-base structure as well as the front end that are scalable and suitable for upgrading in the future.
Sinatra framework lack of experience	New framework and relatively unexplored may take longer to learn	Emphasise time management and planning as the project progresses