# User Manual

[The user manual is available here](https://bitbucket.org/teamdecided/raftconsensuslibrary/src/master/) for the source code

[The user manual is available here](https://bitbucket.org/teamdecided/raftprototype/src/master/) for the Prototype Demonstrator which users can use to complete the Beta UATs

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**Effectively targets intended audience** - The target users of the manual are professional developers working on mission critical applications. These would be educated, code-literate individuals who firstly care if the library implements their required functionality, and secondly how difficult/many man-hours it will take to implement. As this project is released as an open source library, the standard is that the instructions for implementation are made directly available on the project’s version control page.

**Provides support for all business scenarios** - The major focus of the user manual on the project page is ensuring instruction for each use case is provided. As the user will be testing these use cases through the use of download/installing a Prototype Demonstrator, this instruction is provided through step by step screenshots, and explanation/highlighting of relevant information. This format allows a quick understanding of the user interface for developers trying out the software library’s functionality.

**Amount of information presented** - Developers are not just simple users, as well as understanding how to implement the code, it’s important to give a brief intelligible overview of underlying consensus systems. So in addition to all the instructions which cover all use case scenarios, there is also a section which uses explanation of 3 “under the hood” images to give the developer basic understanding of the underlying functionality.

**Failure scenarios** - As this is project is focused around being a fault tolerant algorithm, there are very few failure scenarios included in the use cases. The only noteworthy one would be not having started enough nodes to create a cluster, which is covered in the manual by showing the error popup that comes up when a node is asking to retry to find the cluster.

**Logical Structure of the User Manual** - To better facilitate clear instruction to the developers looking at the project, the manual has been written in a way to link related items together. The “Join Cluster” use case comes before the “Append Entry” use case for example, leading to an iterative build of complete understanding of the available functionality.

**Supports Beta Level Testing without further developer support** - This manual was created to directly support the beta level test, so the developers have every confidence the manual will support users completing the beta level tests without further developer support.