**Bransby Horses**

**Quality Assurance and Testing Report**

**Purpose of application in Test**- Application for tracking the time spent training and rehabilitating equines at Bransby Horses Home.

**Tests performed**

* Functional testing of API and UI
* Smoke testing to prove the stability of each build
* System testing to check all compliance of the requirements
* Integration testing between API and UI
* Regression testing to confirm that a recent program or code change has not adversely affected existing features

**Application programming interface testing**

**Modules of API tested- Manual**

* Category
* Disruption
* Environment
* Training Programme
* Learner-Types
* Equines
* Skills
* Training method
* Yard

**Steps taken to test-**

* Imported API collection to postman
* Cloned the API repository from GitHub to IDE
* Supporting Docker image running on Docker
* Tested all modules of API in application
* Manually tested each module of the API with different CRUD activities

**User Interface Testing -Manual**

* Login Functionality/Login access security tested. The username and password functionality testing were performed with different scenarios to check the stability of the build.
* Different pages of the User Interface were tested against API
* Integration of the API to the UI was tested in each build and release
* Functionality of the builds were tested

**Steps taken to test-**

* Cloned the UI repository from GitHub to IDE
* Set the API to work in developer environment
* Supporting Docker image running on Docker
* Tested functionalities of the application

Tools used- Postman, GitHub, Docker, IDE- IntelliJ, Heroku

**Note**: Accessibility, performance and security testing not performed