**Project Name:** Field Day Flex

Field Day Flex is a scientific tool that allows the creator to customize this powerful tool to meet their data collection needs. The tool will allow the creator to add new projects in which they can add different subjects of study, ranging from plants and animals to volcanoes and constellations. Each study subject is fully customizable, allowing the user to choose what data will be measured. Data entry fields for each study subject are also customizable, allowing the creator to define available choices in a dropdown menu or allow free entry using a text box. Field day flex can also generate unique identifiers for entries within a study subject for a wide range of use cases.  
  
The figure 1.0 below defines the structure of the document-based database that supports the customizable functionality of Field Day Flex.

A diagram of a software company

Description automatically generated with medium confidence

Figure 1.0: Document-based database design.

The root of the database consists of a collection of projects that are created by users. The creator of a project will be an admin listed in a field contained therein. The admin will have the ability to add other admins or contributors to the project. Each project contains a collection of tabs, each of which map to a desired study subject the creator wishes to measure……