Functional Requirements:

* Calendar software shall show user appointments over a weekly and monthly calendar background.
* Appointments shall have a guided scheduler in a pop-up window that includes a text parser to gather at least appointment title and date. Date, duration, and descriptions will be optionally available.
* Users shall have the ability to edit appointments, regardless of type.
* Calendar interface will have the ability to filter appointment view by category.
* All pop-ups for scheduling and view filtering shall be collapsible to declutter the screen.
* Users shall be able to schedule a recurring series of appointments on a daily, weekly, monthly, or yearly basis.
* Users shall be able to schedule appointments with start times that are defined relative to other appointments, including how much buffer time is needed (up to a week in the future).

Non-Functional Requirements:

* Backend software will be scripted in Python.
* Appointments for each user will be stored in separate databases.
* Don’t accept appointments for more than 100 years in the future or past.
* Appointment series shall generate no more than four weeks into the future if no end date is defined until user views dates beyond there.
* No more than one appointment editing pop-up may exist at a time.
* Appointment text fields will accept 250 characters of text for event details.
* System shall display unique error codes in a pop-up box.
* Application will run in a desktop environment.