

REDCap Advanced Functions

Branching Logic

Calculated Fields

Data Exports, Reports, and Stats

Data Import Tool

Manage Survey Participants

Record Locking

Calendar - longitudinal automatic scheduling

API vs. Hooks vs. Plugins vs. External Modules

API

- Web service that users can utilize to import or export data, metadata, etc.
- Users can build API scripts in any programming language
- Examples:
 - Exporting data out of REDCap and into another system or local device
 - Importing data from another system to a REDCap project

Plugins

- Are PHP scripts external to REDCap
- Can appear as if part of REDCap (but are not)
- Cannot affect behavior or look of existing REDCap pages
- Examples:
 - Extra page in a REDCap project
 - Simple dashboards and reports
 - Entire web applications that sit on top of REDCap

Hooks

- Are PHP scripts executed internally by REDCap in specific places in the application
- Can affect behavior or look of REDCap pages
- Examples:
 - Customize a survey page, data entry form, etc.
 - Perform additional back-end operations on data entry forms, survey pages, or during a "save record" event

External Modules

- Are the next generation of REDCap plugins and hooks
- Are kind of a hybrid of plugins and hooks
- Can be downloaded from the REDCap Repo (public repository of modules) by a REDCap administrator
- Examples:
 - Survey Link Lookup
 - Email Alerts module (similar to Auto-Notify plugin)