Data collection and analytics.

We are collecting the following interactions

* user creation
* log in
* book open

(once book opens)

* XML loaded
* first page loaded
* user touch (XY coordinates for every touch)
* link trigger (user touched on an active link)
* sequence trigger (sequence object built)
* sequence start (first target in sequence object played)
* sequence finish
* page turn (automated or manual)
* book close

Each interaction is associated with a timestamp. We will know down to the second what happened when (accurate until 2020). For multiple events that happen within the same second, they are numbered as "stamp-1" and "stamp-2" in the order in which they are triggered. This will give us enough information to uncover any application breaking bugs (sequence X in book Y starts but never finishes), as well as give us a good idea of how each kid uses his device (usage hours, favorite books, attention span).

Interactions are saved as a JSON file. Each file is named as follows

TeamCCI-Analytics-(device serial number)-(user ID).json

For example,

TeamCCI-Analytics-5B19000599-1.json

All files will be uploaded to the root of the FTP server. Newer files will replace older versions, as each file contains a full record set of all interactions from account creation to present. Based on rough estimates, we believe each file will grow by 0.25 to 0.5 mb per month, and we are confident we will not exceed server storage capacity.