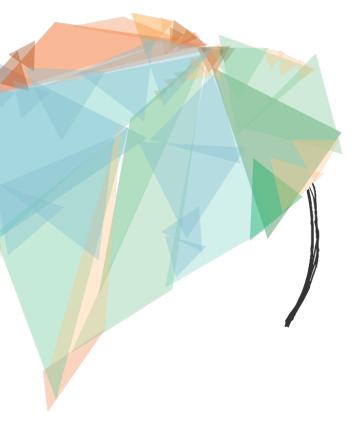




Databrary: Enabling Sharing and Reuse of Research Video

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ABSTRACT

Video and audio recordings serve as a primary data source in many fields, especially in the social and behavioral sciences. Recordings present unique opportunities for reuse and reanalysis for novel scientific purposes, but also present challenges related to respecting the privacy of individuals depicted. Databrary is a web-based service for sharing and reusing the video data created by researchers in the developmental and learning sciences. By investigating how researchers organize, analyze, and mine their own recordings, we have implemented a system that empowers researchers to capture, store, and share recordings in a standardized way. The Databrary service promotes storage, management, sharing, and reuse of research data, controls access privileges to restricted human subject data, and facilitates browsing and discoverability of datasets.

ACCESS RESTRICTIONS

Databrary ensures that data with identifiable information can be shared under four different release levels:



Private: Content has not been shared and is restricted to collaborators



Authorized Users: Content is restricted to authorized Databrary users



Excerpts: Content is restricted to authorized Databrary users, who may use it in presentations for informational or educational purposes



Public: Content is available openly to anyone

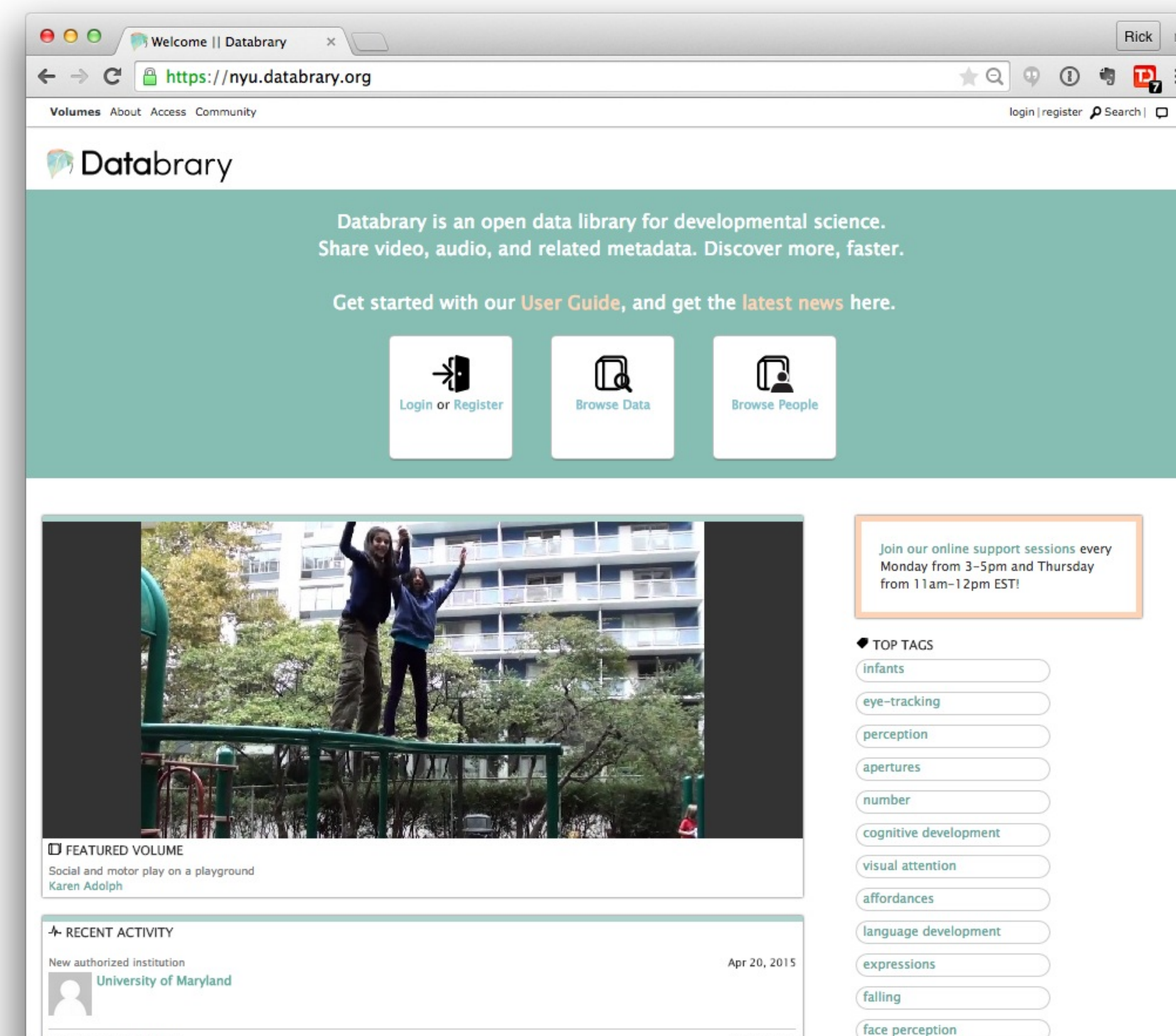
WHAT CAN BE SHARED

Databrary can house video, audio, PDF, spreadsheet, image, and text-based files along with associated metadata and annotations. Video files are transcoded into standard, HTML5-compatible formats, currently H.264+AAC in MP4.

ACKNOWLEDGMENTS

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DATABRARY.ORG

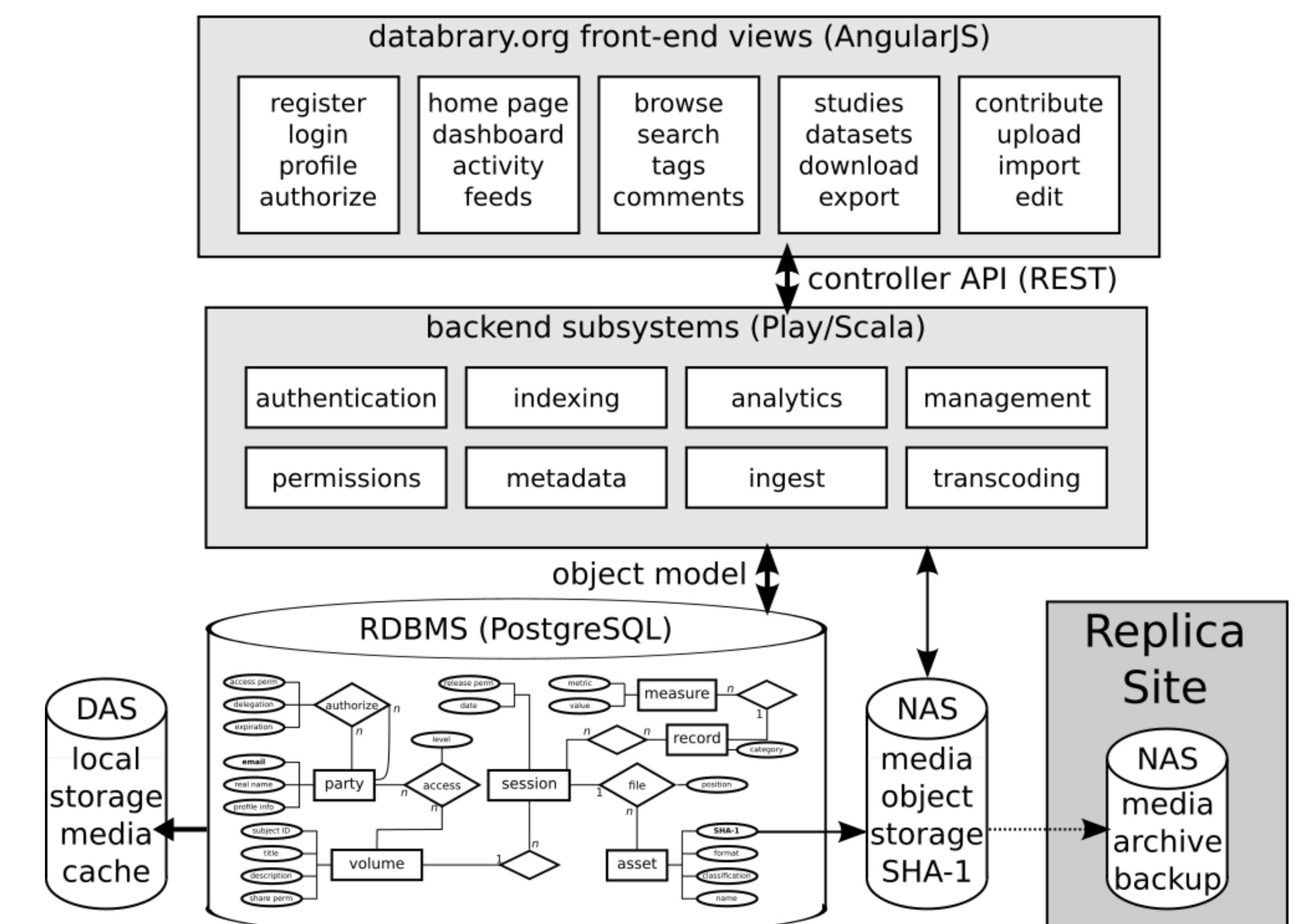


SESSION-LEVEL DATA MANAGEMENT

session	test date	release	pilot	exclusion reason	ID	gender	participant	ethnicity	age	condition	group
2010-XX-XX	Q+	*		Included	1	Male	Asian	Not Hispanic or Latino	13.1 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*		Included	2	Male	Asian	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*		Included	3	Male	White	Not Hispanic or Latino	13.4 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*		Withdrew/fussy/tired	4	Female	White	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*		Included	5	Male	White	Not Hispanic or Latino	12.8 mos	Eye tracking	Crawler
2010-XX-XX	Q+	*		Included	6	Female			12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*		Did not meet inclusion crite...	7	Male	White	Hispanic or Latino	12.9 mos	Eye tracking	Walker
2010-XX-XX	Q+	*		Included	8	Male	White	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2010-XX-XX	Q+	*		Included	9	Male	White	Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Did not meet inclusion crite...	10	Male	Asian	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Included	11	Male	Asian	Not Hispanic or Latino	13.1 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Procedural/experimenter er...	12	Female	White	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Included	13	Female	White	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Included	14	Female	Asian	Not Hispanic or Latino	13.1 mos	Eye tracking	Crawler
2011-XX-XX	Q+	*		Did not meet inclusion crite...	15	Male	White	Not Hispanic or Latino	13.1 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Included	16	Female	White	Not Hispanic or Latino	13.2 mos	Eye tracking	Walker
2011-XX-XX	Q+	*		Included	17	Male	White	Not Hispanic or Latino	13.3 mos	Eye tracking	Walker

TECHNOLOGY STACK

Databrary is built on PostgreSQL using the Scala Play framework and AngularJS. Data are preserved indefinitely in a secure data storage facility at NYU. There is no cost to use the system; a sustainability model is under development. All code is GPL on GitHub.



TIMELINE

