

UCI Spark



Empowerment Workgroup & Resource Library



The **Empowerment Library Workgroup** is a broadly representative group including a mix of leadership and on-the-ground staff from Student Affairs, Undergraduate Education, and OIT.

- Meets **biweekly with defined agendas with IT coordinating**
- Shared Google Drive with **agendas, presentations**, and more
- Topics have included:
 - Brainstorming what makes a successful spark
 - Overview of the Unizin Data Platform and UCI data sources
 - Group exercises to generate sparks
 - Calculating various metrics using the UDP
 - Spark technical feasibility assessment
- Suggests **features and improvements** for Spark
- Future: **Act as champions** within units to encourage usage

22

members

17

offices

75+

sparks generated

10+

meetings



Spark is a **student-centered, mobile-first web application** combining rich student data, Canvas data, and UCI student support resources into a secure, timely, & personalized **dashboard** aimed squarely at helping students succeed in their desired academic pathways.

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Built in-house by UCI, Spark incorporates broad campus input from students to faculty to staff, informing the design, roll-out, and resources provided by the tool.

The UCI Office of Information Technology is developing this tool under the sponsorship of the Office of the Vice Provost for Teaching & Learning under the leadership of Vice Provost Michael Dennin.

Research Ready

Through a partnership with the UCI MUST Project and the UCI School of Education, Spark is informed by research, driven by research, and designed to support future research.

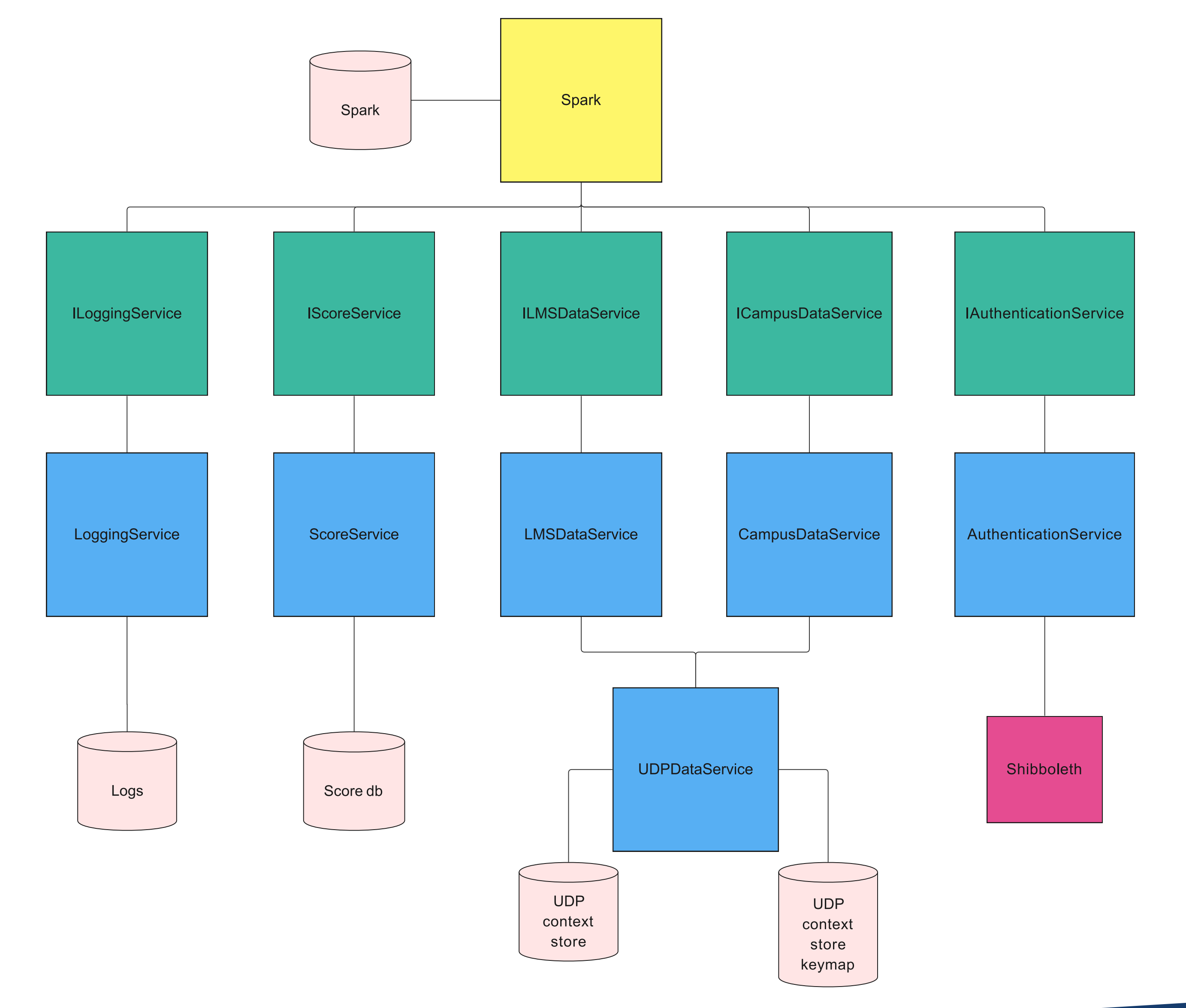
Purpose-built **data mart** for researchers

- **Purpose-built research data mart** to facilitate timely data sharing
- **Research projects** focused on effective spark design

Data & Tech Stack

Designed from the ground up to be shareable and extensible, Spark leverages common technologies to streamline development and facilitate code- and knowledge-sharing:

- Authentication via **Shibboleth**
- LMS & SIS data via the **Unizin Data Platform**
- Leverages common technologies, including **Microsoft SQL Server, Google Big Query, Microsoft .Net, Shibboleth**, and more
- Mobile-first web application built in **Microsoft .NET** using **Tailwind CSS** framework
- Modular architecture to support varying campus needs



Mock-ups & Examples of Spark in Action

What's in an Empowerment Library spark?

Category

Grouped into five distinct categories to ensure diversity of resources.

Call to Action

Actionable, immediate, and relevant.

Description

Evidence, background, reasoning, etc.

Office

Convey authenticity and authority of suggestions via our campus experts.

Secondary actions

Interactions within Spark to encourage engagement and return visits.