

CARS++

Team Skyline

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Project Sponsors

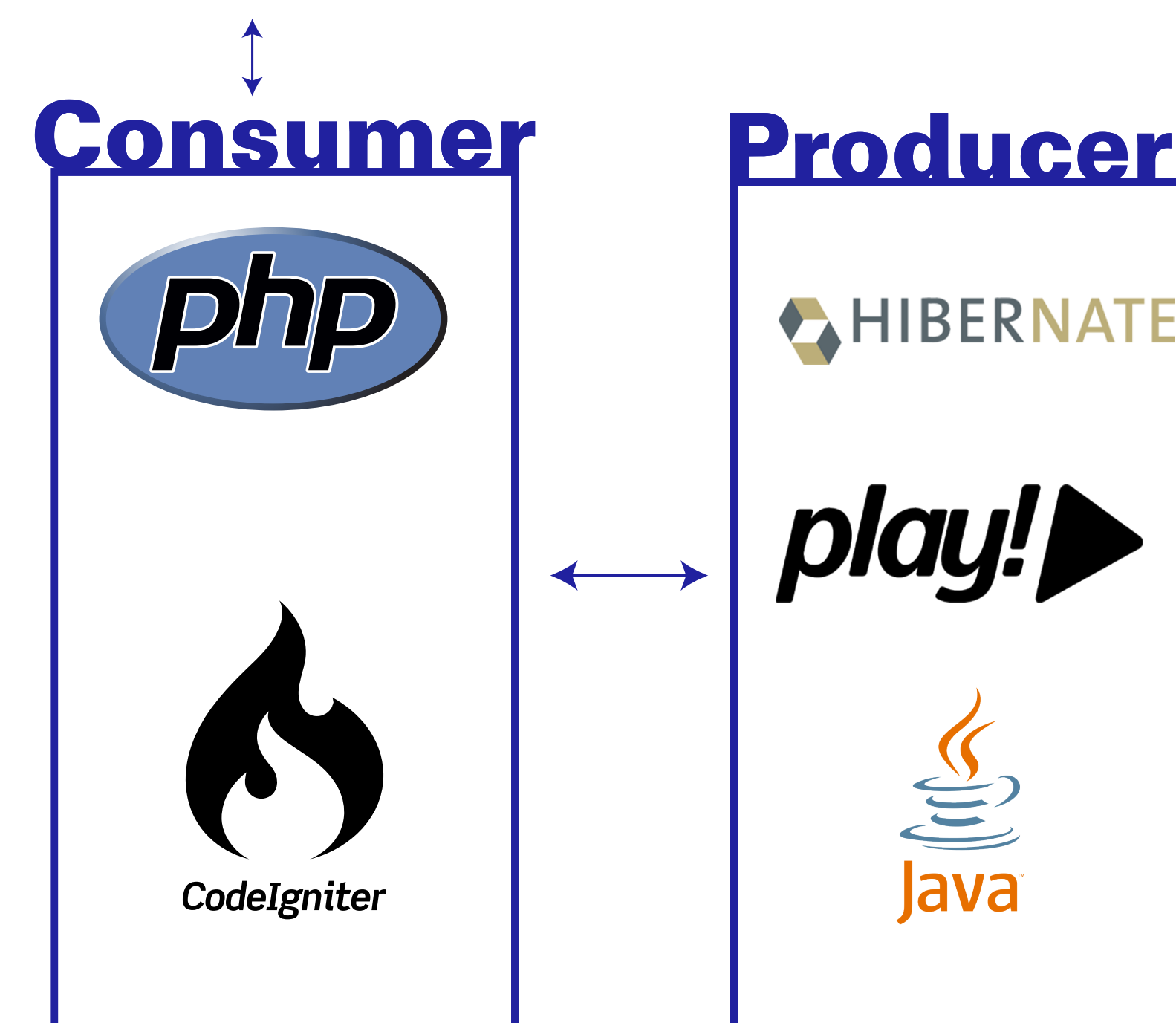
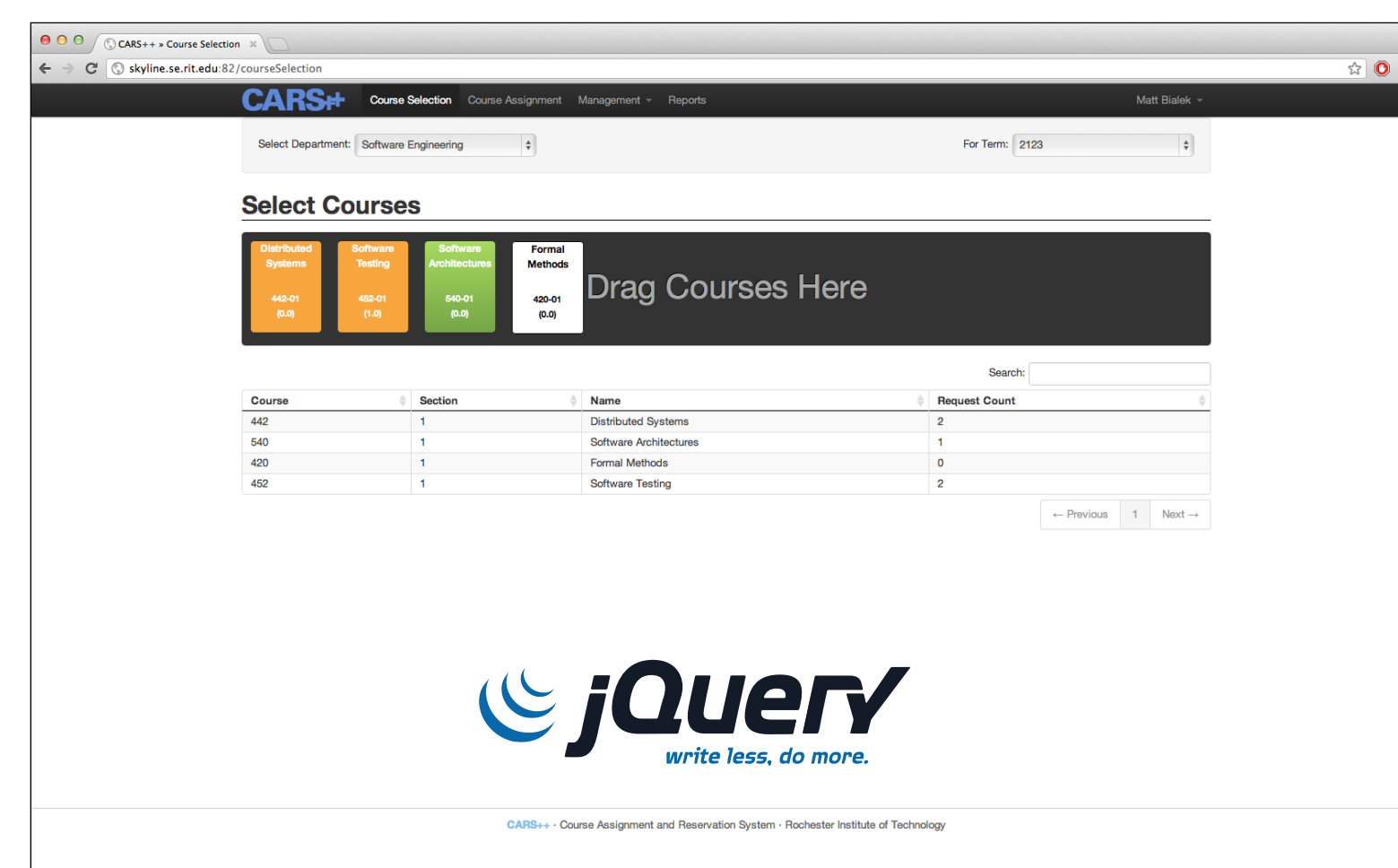
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The B. Thomas Golisano College of Computing and Information Sciences at RIT uses the Course Assignment and Request System or CARS. The system is not only capable of planning what courses are offered, but the time, faculty and location for each class. While every department has a set of procedures, many choose to use CARS to plan the courses for the upcoming term. CARS++ is the third generation of the CARS system. The system was rebuilt in order to address the issues from previous versions, while also providing a base for future changes.



With the university transitioning to semesters, a new system was needed. CARS++ will be able to handle the conversion from quarters to semesters. It is beneficial over planning a schedule manually on paper and it is designed to be accessible for infrequent users. In addition, a trusted external third party can integrate with the system if needed.

There are technical constraints that were taken into account in the development of CARS++. Since the system is for the Information Science and Technologies department servers; it needs to be compatible with that environment. CARS++ is web based, accessible through a web browser and supports:

Internet Explorer 7+ Firefox 3+
Chrome 14+ Safari 5+

The system provides a REST API in which trusted third parties use to connect with CARS++.

Future Work

Institute-wide adoption UI Updates (Live change)
Dynamic Report Generation Integration with SIS
Mobile Support Dynamic roles

Features

Authentication	Users login with RIT DCE accounts through LDAP
Authorization	Users roles determine what activities a user may perform on the system
Course Selection	Faculty request courses to teach in upcoming terms
Course Assignment	Administrators consider faculty requests and assign faculty to courses
Management	Administrators manage users, terms, and courses within their department

Process

