Access Ready: Mobile-first Design in an Open-source Environment

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Austin, TX • June 8 – 10, 2016
Access Ready: Mobile-first Design in an Open-source Environment
JLG has been Reaching Out to meet your highest challenges since the very beginning when founder, John L. Grove, set out to resolve a growing concern in the construction industry.

After Grove left a successful crane manufacturing company that he co-founded, he learned of a pressing need for a machine that could safely and quickly lift workers in the air to perform construction and maintenance functions.

He focused his energy on this challenge by starting JLG Industries, Inc. in 1969. With a crew of just 20 workers and a small metal fabrication shop in McConnellsburg, Pennsylvania, the first JLG aerial work platform was sold in 1970.

When Grove passed away in 2003, he left behind a legacy – a company that continues to expand into other global markets, developing innovative products and reaching out to help customers be more productive and work more safely.
JLG’s Business Requirements

- Bringing the technology to where the users are.
- Mobile ready - seamless feel from app to site.
- Direct access to full LMS from any mobile device using a standards-compliant theme.
- Users can check, complete, and be issued certification
  - Machine safety checklist
  - Issue certification cards (Instantcard integration)
  - Identify local trainers or testing center
- Single user database (app and LMS)
  - Cross platform authentication between AccessReady and JLG University site
  - Cross platform streaming video library (JLGU)
  - Brand consistency maintained across all environments.
- eCommerce component
- Multilingual - to serve global market
Train their people, their partners, & their customers.

To Buy ?
To Build ?
To Bundle ?
To Buy ?
To Build

- Time consuming to build.
- Expensive to maintain.
- Building and maintaining software may not be core competencies of your company.
- If not kept current platform will rapidly become out of date (possible negative impact on original business requirements).
To Buy

- Expensive annual costs.
- Platform built to address “most” requirements for “most” organizations.
- When, if, and how the platform evolves is out of your control.
- May need to adjust business requirements to the capabilities of your training platform.
To Bundle

- Assemble, integrate, and configure a solution that aligns to your specific business requirements.
- When based on an open source LMS, your solution is maintained by a robust development community.
- When needed, you can easily enhance the base solution with small easily maintained components or plugins.

JLG Chose to Bundle!
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- A training video from the Moodle instance is provided to the user.
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- A training video from the Moodle instance is provided to the user.
- The user must complete the certification checklist.
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- A user can log in and look up a machine.
- A training video from the Moodle instance is provided to the user.
- The user must complete the certification checklist.
- The certification is presented to the user.
The App

- Once the user is certified, completion data is passed to the LMS which adds profile metadata indicating the user has the new certification.
- This certification data is available on the app.
The Site and Theme

Theme Features

- Responsive design built on Bootstrap framework to allow flexible layout that adapts to any device
- Built on 12-column responsive grid that adapts to any screen size
- Interactive and animated front page carousel to display important information
- Brand consistency maintained across all environments.
Finding a training course or instructor

Step by step instructions to finding and enrolling in a training course.
The AccessReady Users Map can be used to find trainers.

Trainers with selected certifications are displayed to users looking for in-person training in their location.
● JLGU is JLG’s University site allows users to purchase and enroll in courses on JLGU.

● JLGU users can log into AccessReady using their same JLGU credentials.

● A custom SSO plugin developed by Remote-Learner allows AccessReady to authenticate against JLGU, while keeping access to JLGU exclusive to users who have purchased access.
JLGU and AccessReady share an instructional video database with a common video repository hosted by Kaltura.

Videos are used in JLGU courses and AccessReady machine certification courses on the AccessReady site and in the mobile AccessReady app.

The video database offers videos in 10 languages.
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<th>ID</th>
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<th>Machine Type</th>
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<td>Ultra Boom Lift</td>
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</table>
Next Steps

- InstantCard integration to allow user to:
  - Upload and crop an ID photo
  - Select from a list of ID eligible courses
  - Preview their ID card
  - Pay for all IDs directly within the site
- Launch English AccessReady solution Q4 2016
- Translate AccessReady Site
  - JLGU is in 17 languages
JLG’s Digital Learning Environment
Page Chen, a chief innovation officer, leads the solutions teams for Remote-Learner. With a master’s degree in adult education and a PhD with dissertation research in the field of instructional design for online learning, she has been designing solutions for a wide variety of audiences since 1994, focusing on online open-source solutions since 2009. Page has conceptualized and built out-of-the-box learning experiences for all ages and a wide variety of industries, including government, military, and educational institutions. Page provides a unique perspective on the role technology plays in changing how people live, play, and learn.