

MICHIGAN STATE
UNIVERSITY

Alpha Presentation
Tech Ops Training
Content Management System
The Capstone Experience
Team United Airlines Training

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From Students...
...to Professionals

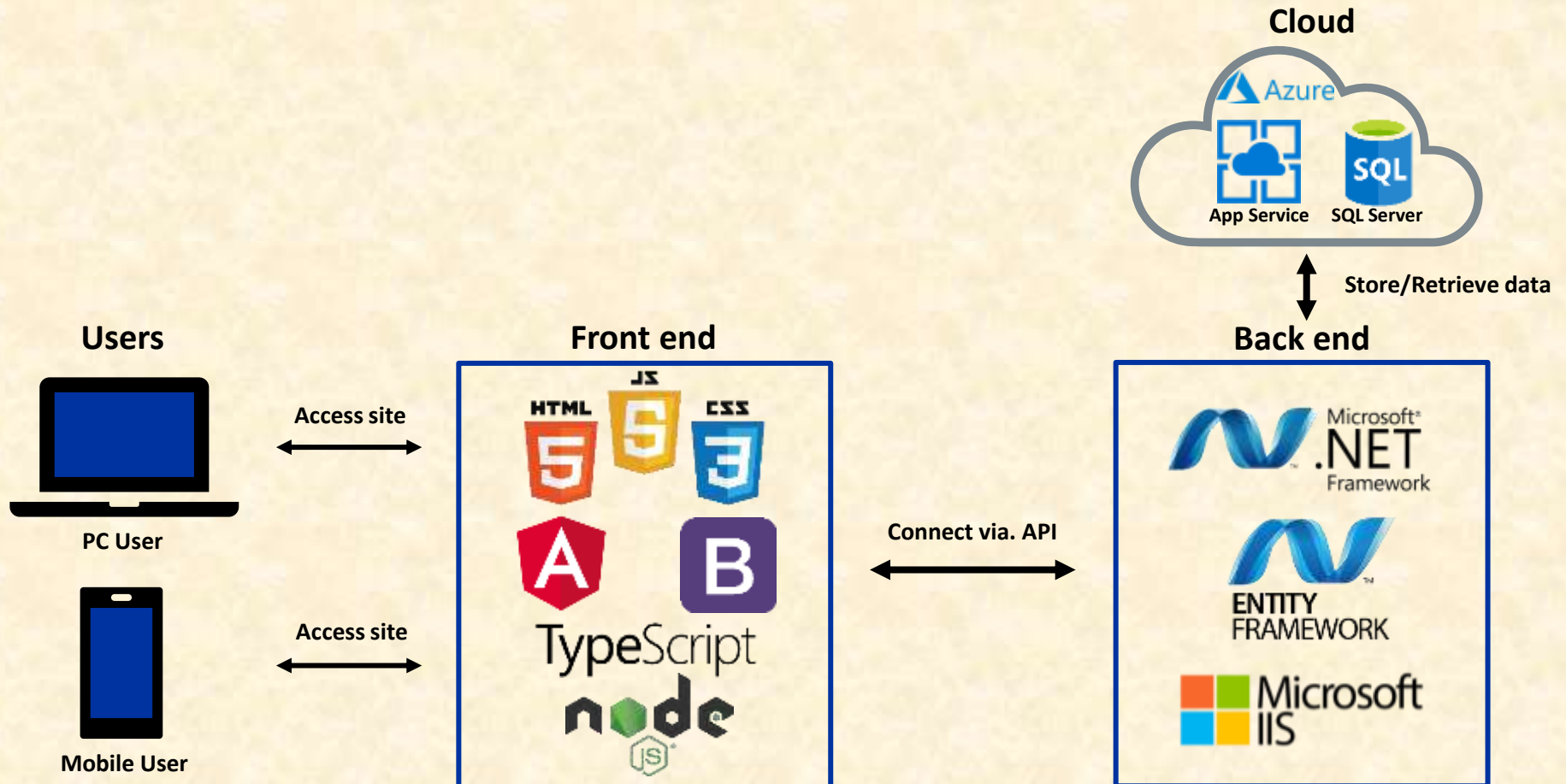
Department of Computer Science and Engineering
Michigan State University
Fall 2020

Project Overview

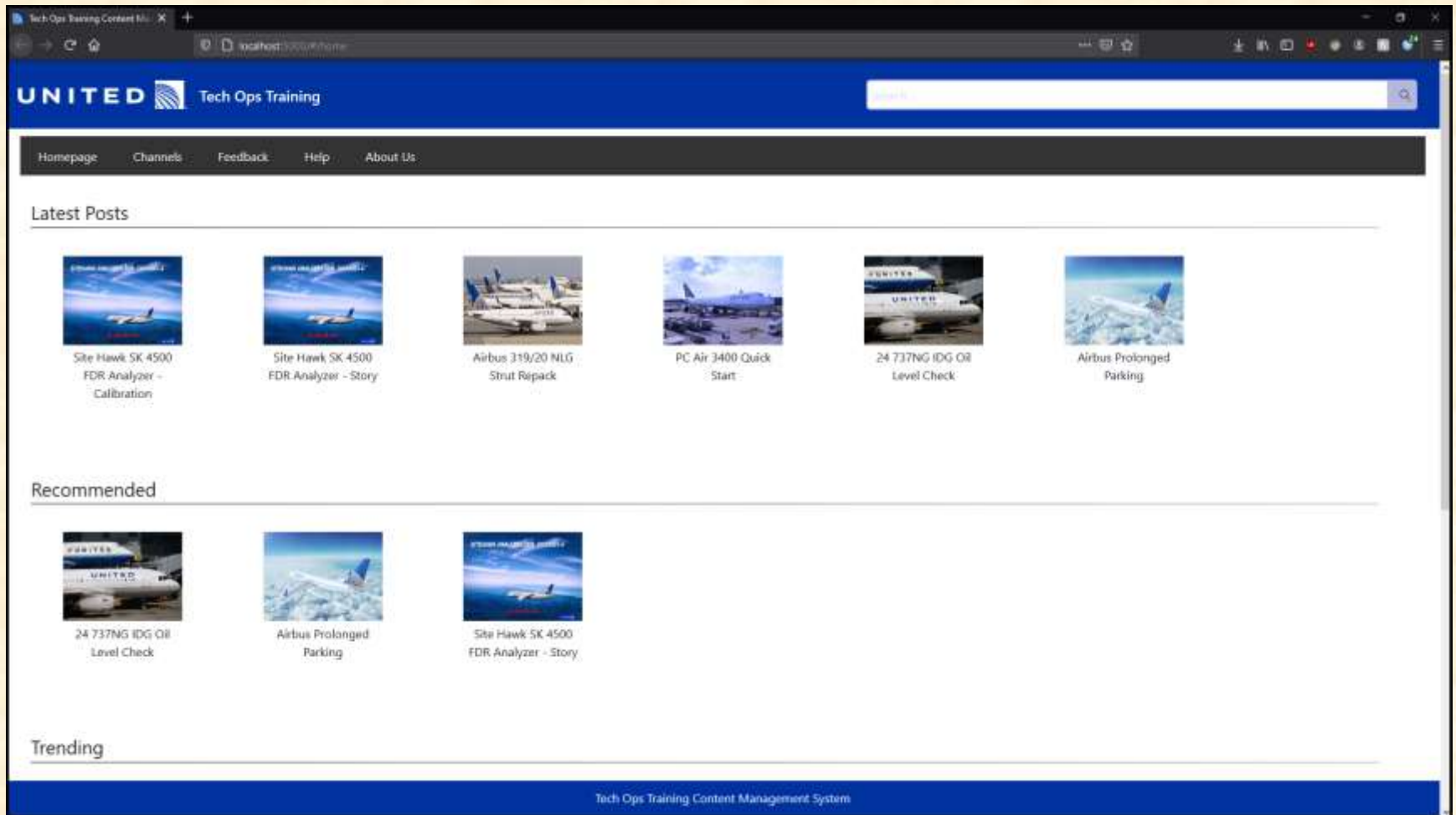
- Web application used to organize and supply media content for training purposes
 - Multiple formats for media content, such as video, HTML, PDF, and more
- Supports user feedback, comments, and likes
- Dynamically recommends content to users based on stored data and analytics



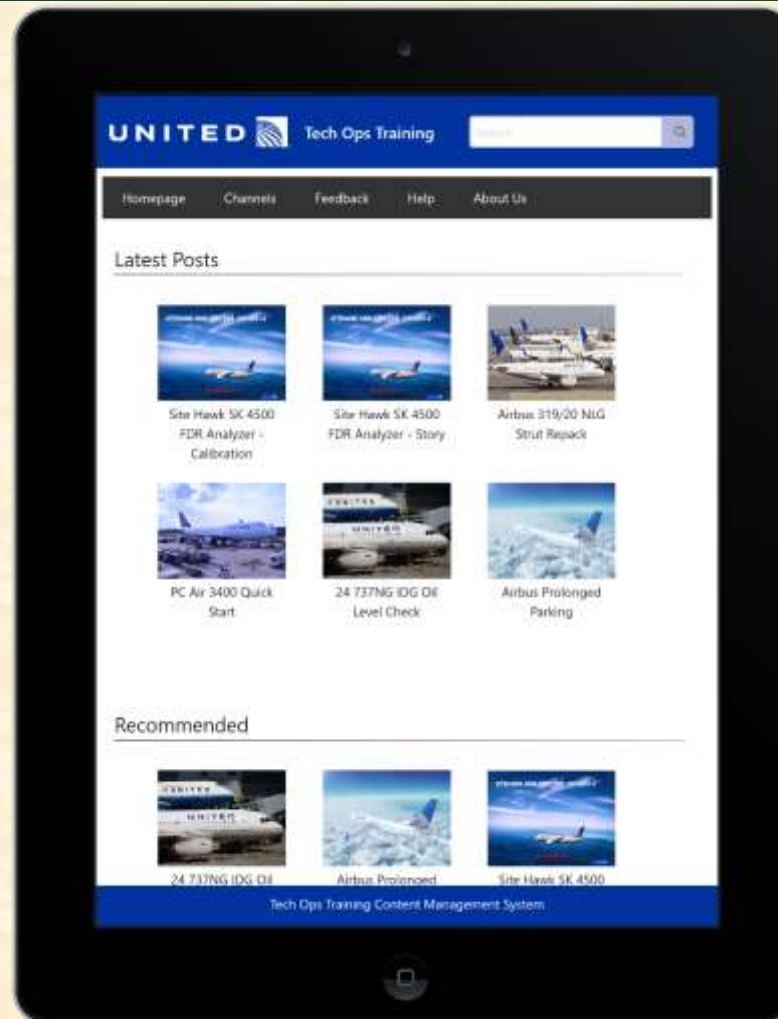
System Architecture



Homepage – Desktop View



Homepage – Mobile View



Media Page – Desktop

The screenshot displays a web browser window with the address bar showing 'localhost:3000/whh4444'. The website header features the 'UNITED Tech Ops Training' logo and a search bar. A navigation menu includes 'Homepage', 'Channels', 'Feedback', 'Help', and 'About Us'.

The main content area is titled 'Site Hawk SK-4500 FDR Analyzer' and includes 'RESOURCE' and 'FEEDBACK' links. It features a video player with a file selection overlay. The overlay lists files in a directory: 'File Name', 'Directory', and 'File List'. The files listed are 'VHFtest', 'TCAS.cst', and 'Radio altimeter.cst', each with a timestamp of '0016-04-08 12:00:00'. A blue 'SELECT' button is positioned over the 'TCAS.cst' file. The video player has 'PREV' and 'NEXT' navigation buttons at the bottom.

To the right of the video player, the page title 'Site Hawk SK 4500 FDR Analyzer - Story' is displayed, followed by '53001 Views' and 'Uploaded Oct 11, 2020'. Below this, there are '1744 Likes' and '92 Dislikes' counts. A 'Media Description' section follows, containing the text 'Site Hawk SK-4500 FDR Analyzer 7003A001-4'.

A 'Related Media' section is located at the bottom right, featuring three thumbnails with titles: 'Site Hawk SK 4500 FDR Analyzer - Calibration', 'Site Hawk SK 4500 FDR Analyzer - Story', and 'Airbus 319/20 NLG Strut Repack'.

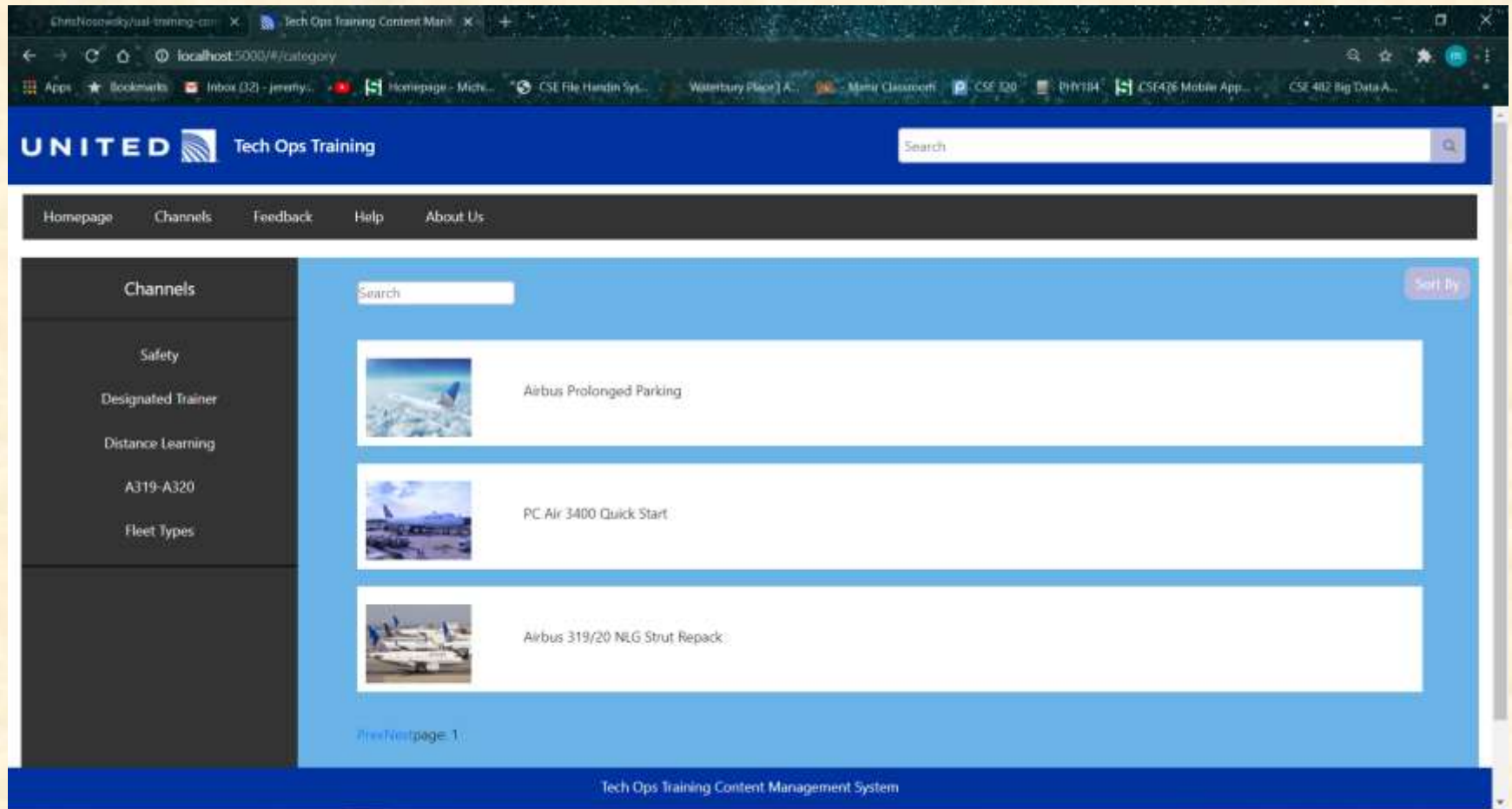
The footer of the page reads 'Tech Ops Training Content Management System'.



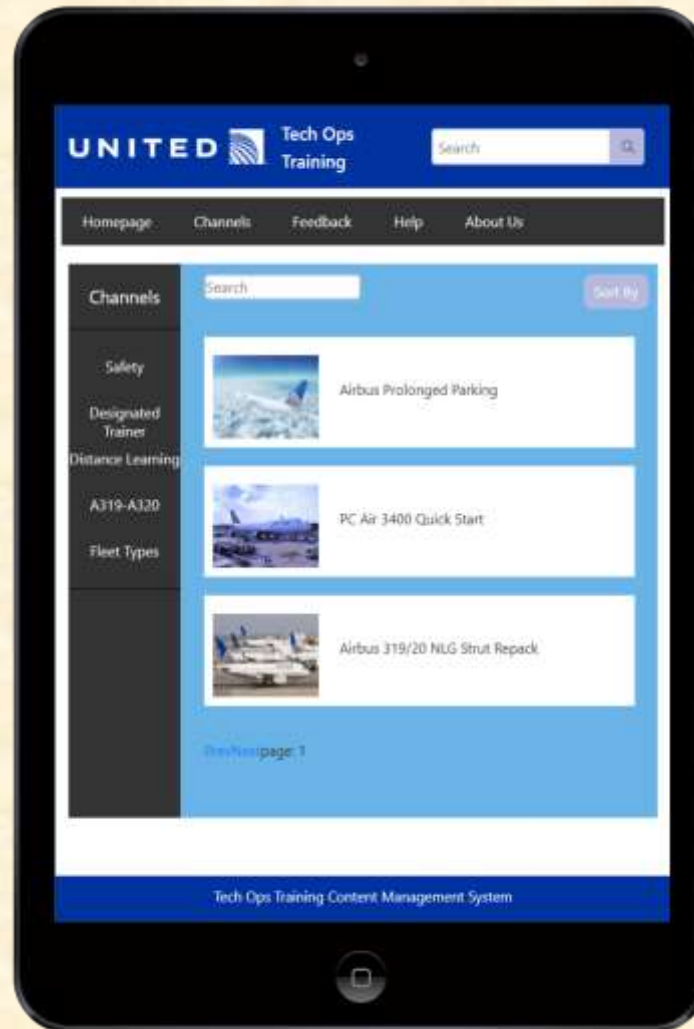
Media Page – Mobile



Channel Page - Desktop View



Channel Page – Mobile View



What's left to do?

- Add support for other media types (Tech Talks and Training Manuals)
- Add Nested Channels
- Improve analytic functions
- Implement administrative capabilities
- Implement user likes and comments
- Add more options for search requests

Questions?

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