Portfolio

Modular Webinar Solution for an Advanced LMS

node.js mobile real-time communication e-learning
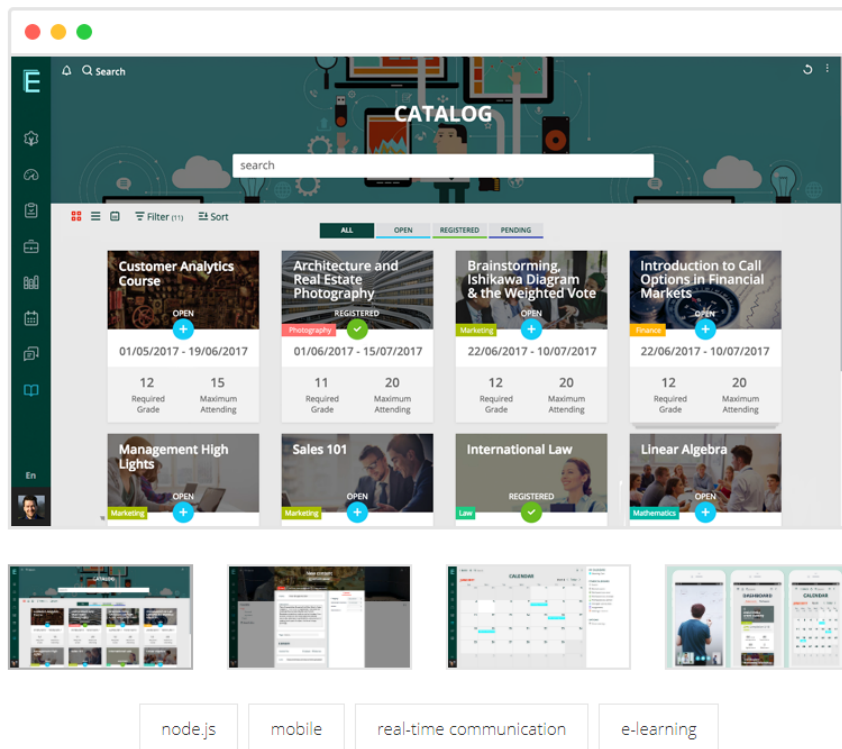
Project Overview

Oxagile helped an international LMS provider deliver a standalone, easily pluggable WebRTC module that enables collaborative learning for organizations via one-to-many and many-to-many videoconferences.

Key features and highlights:

· webinar participant management;
· permission system for presenters and learners;
· support for up to 25 simultaneous webinar participants;
· screen and file sharing;
· joint video file preview for all participants;
· private and public chat;
· live interactive whiteboard with support for commenting;
· file conversion capabilities (including .MP4, .DOC, .PPT, and .PDF);
· token validation for file download;
· white label functionality.

To empower mobile users with cutting-edge e-Learning opportunities, Oxagile also developed a WebRTC-enabled Android application that sports a wide array of features present in the web version.

Technology Stack
Node.js, Redis, Socket.IO, Redux, Aspose, Jitsi, FFmpeg, Cordova, WebRTC

Timeframe and Workload
Duration: 5 months
Effort: 8.5 man-months