FRESHCODE
We make ideas happen

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Educadio

Client: Educadio

Client Site: educadio.com

Industry: Education

Country: Denmark

Size of the Team: 4 people

Duration: 4 months, ongoing

Technologies Used:

NODE.JS	METEOR.JS	POUCHDB
COUCHDB	REACT.JS	FABRIC.JS

Educadio
Act. Learn. Act

OUR CLIENT

Educadio is a young Dutch startup, specializing in creating digital training tools and providing personalized training sessions. Their solutions allow companies to save time spent on training new employees and avoid overly complex manuals and impersonal tutorials while getting documented results. Educadio's Digital Training Tool can be used to create and implement e-courses quickly, that enhances technical skills and help users master complex work scenarios and methods using software and web resources.

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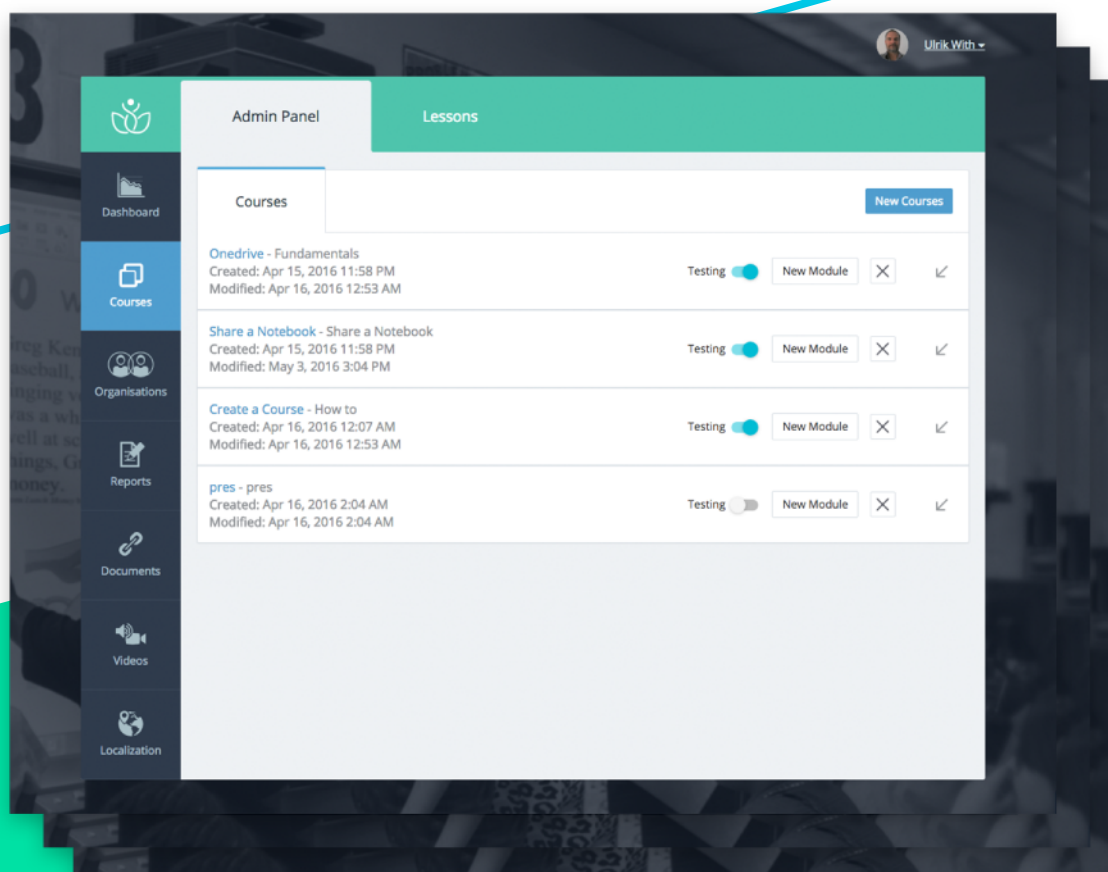Phone: +38 (063) 256 63 78
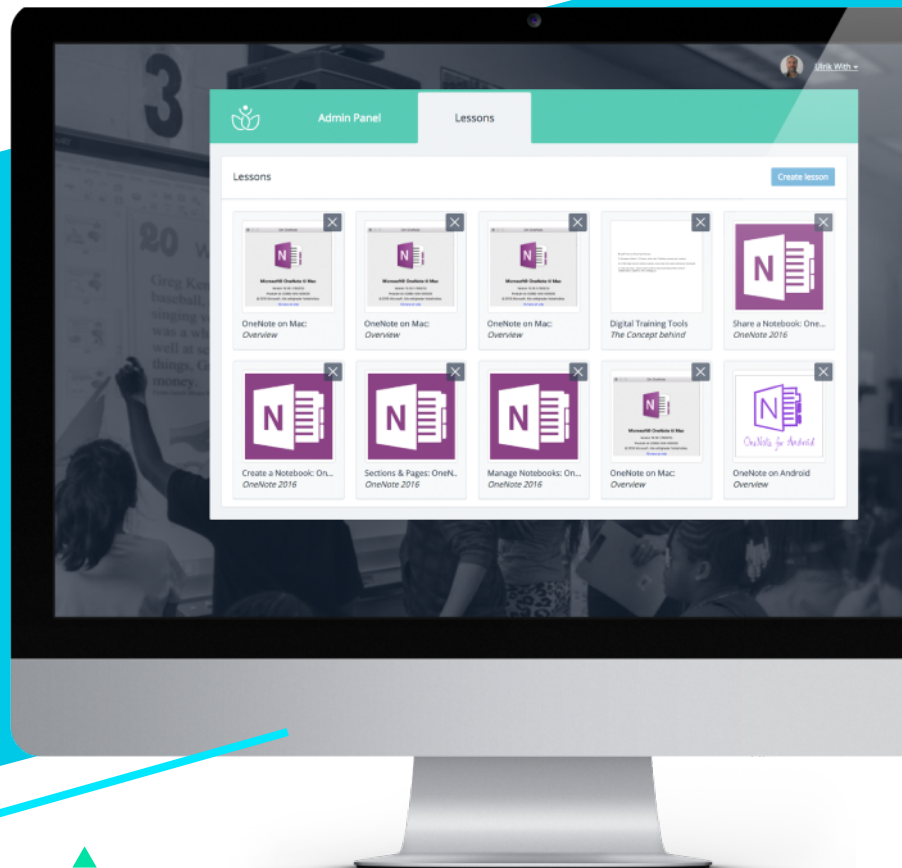
BUSINESS ISSUES

The previous iteration of the platform didn't meet the client's needs, so our team had to start the project from scratch and take into account all requirements, including:

▶ On-line and Off-line modes of operation.

▶ Collaborative work within local networks without internet access.

▶ A wide variety of collaborative work means, including video and text chats.

▶ Multiple users support of up to 100,000 people.

▶ Real-time synchronization for instant collaboration.

▶ Text collaboration with Rich Text support.

▶ Complex access level structure for administrators, coaches and learners.

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SOLUTIONS

▸ Digital Training Tools was implemented as a web-interface as well as a desktop application. Taking into account previous complications, our developers chose to split the architecture into two parts according to their separate requirements. This allowed to speed up the development process and decrease support expenses. Sessions module was developed using CouchDB and PouchDB in order to allow off-line cloud synchronization and real-time collaborative work. Meteor.js was implemented for other utility modules of the application, including user-management.

▸ Docker was used to execute automatic application deployment and testing while AWS allowed scaling up due to the increasing number of users. External services integration includes Microsoft Office 365 and two-way calendar integration for learning sessions planning.

▸ Interactive learning slides allow to gather and analyze statistical data based on the number of each user's completed goals and correct actions. Statistical analysis informs coach on the success rate of every learner. Besides video and text chats for students interaction, video and audio upload support allow coaches to create additional clarifying instructions.

BUSINESS VALUE

Educadio uses While Label production model that allows their clients to customize and re-brand Digital Training Tools solutions without substantial investments into software development. Further plans include using Software as a Service (SaaS) licensing and delivery model to offer subscriptions to interested companies. At the moment, Educadio's solutions are represented at industry-wide expos throughout Europe.