

Project Charter - Team 33

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Project Title: Ludus

Problem statement: There are various platforms designed to share educational content with students. However, we have identified two major shortcomings with these existing platforms. First, most of these platforms focus either only on academic or only on professional education, forcing prospective learners to visit many different places to learn new skills, and potentially leaving these students in the lurch when it comes to learning recreational skills. Second, the existing platforms do not provide clear guides to learners completely new to the skill, which sometimes can result in users gaining only a piecemeal understanding if the topic.

Project objectives: This project seeks to address the shortcomings mentioned above by creating a one-stop shop system for teachers and learners that will facilitate knowledge transfer for skills that range from professional to academic to recreational. Learners will be able to keep track of the courses they have joined and what skills they have already learned, offer feedback on lessons, and follow their favorite teachers for updates. Teachers will be able to craft lessons that incorporate a number of different teaching styles, see feedback given for their lessons, and modify their courses over time.

Project Stakeholders:

- The developers: Alex Brooke, Shaural Patel, John Shen, Alex Willis, Kevin Xue
- Anyone interested in exploring a hobby or profession.
- Our project coordinator: Lakshay
- Teachers who want to give lessons outside of a traditional classroom format

Deliverables

- Technologies:
 - Web Application
 - Backend:
 - Node.js
 - Firebase
 - Frontend:
 - React.js
 - Bootstrap
 - HTML
- Project:
 - Login system
 - Allow teachers to log in
 - Allow learners to log in
 - User pages
 - Teachers will be able to:
 - View the courses they have created
 - Modify existing courses (Remove, private, hide, re-publish, edit)
 - Create new courses
 - View feedback on specific courses
 - Learners will be able to:
 - View the courses they have already joined
 - View courses they have previously completed

- Rate courses they have previously completed
- Main page:
 - Learners will be able to:
 - Search for courses (by category, name, teacher)
 - Join new courses
- Course listing page:
 - Learners will be able to:
 - View ratings other learners have offered the course
 - Rate courses after completion (thumbs or stars)
 - Teachers will be able to:
 - View course feedback (if they own the course)
 - Edit the course (if they own the course)
- Course creation page:
 - Teachers will be able to:
 - Add learning modules
 - Add lessons to modules
 - Edit lessons (add text, videos, pictures, etc)
 - Save lesson drafts (to be completed later), modules, and the course
 - Publish courses