Virtual Learning Resources

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Description

In the current scenario of global pandemic, it has become very hard for youth to cope up with virtual learning. This application will allow students, parents, and teachers to create a virtual ecosystem to effectively utilize and collaborate in the learning process.

Features

- Users - "Students"," Teachers" and "Parents" can register/sign up for an account
- Users can Login to access the resources
- Teachers can upload and remove lesson plans by grade level and subjects
- All users can search based on grade level, subjects, student, teacher or parent

Planning - User Stories

- Users can Sign up for an account
- Users can Log in to access resources
- Users can search for list of Students, Teachers, and Parents
- Users can access resources including students and teachers list by grade level and subjects
- Users can upload and access lesson plans

Planning - DB and Models

Model Classes/ tables

- Students
- Teachers
- Parents
- GradeLevel
- Subject
- LessonPlan

Technology Stack

- Java
- MySql
- Spring Boot
- ThymeLeaf
- Bootstrap
- html/css
- Hibernate
- Gradle

Demo

What I Learned

- Learning to input jpg or pdf file for resource
- LayoutIt - an interface builder for CSS Grid and Bootstrap https://www.layoutit.com/build

What's Next

- Add more features - create learning PODs to connect with students with similar needs
- Add CSS make the layout better
- Learn to deploy the App
- Try to incorporate Communication between users