A Whole New MOOC

Improving student engagement in online, self-directed learning experiences

**Problem**

Extremely high attrition rates in MOOCs

Less than 10% of MOOC students complete their courses

MOOCs could have an immense positive impact on society by providing open access to high-quality educational content for the general public

MOOCs rely on antiquated pedagogy focused on information transfer rather than student engagement.

**Solution**

An interactive MOOC, now with friends!

Multi-track MOOC selection page, helping students pick the best track for their goals

Course dashboard facilitating instructor communication and time management

Student group page allowing for coordination of group activities

Course progress page encouraging students to keep on pace with coursework

**Process**

- **Literature Review**
  - Multi-track and adaptive MOOCs support different student learning goals
  - Interactive quizzes engage students and provide immediate feedback

- **Interviews**
  - Study groups allow students to help each other and lower the attrition rate
  - Improved forum filtering would help students find the most informative posts

- **Sketching**
  - Video lecture annotations let students comment on and bookmark relevant course content
  - Gamified elements illustrate course progress as a student and within study groups

- **Prototyping**
  - Key research concepts explored, first as wireframes, then as HTML prototypes
  - Illustrated MOOC track selection, student groups, adaptive quizzes, video annotation, forum filtering, and gamification

**Learn More**

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