End-to-end Learning Solutions

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Overview

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  – Content Creation
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About Perpetual Learning

• Perpetual Learning provides end-to-end cross-industry learning solutions
• Experience delivering learning solutions for small businesses and startups
• Advanced instructional design leveraging tested pedagogical principles
• Advanced technical implementation applying the most cutting-edge technologies
• Iterative, product and learning focused process
Our Process

Phase 1: Setup & Prep
- Install white-labeled based Open edX solution
- Survey learning needs and conduct instructional design

Phase 2: Course Creation
- Create course-ware on content studio
- Create course video (full video production capability in-house)
- Spec platform customizations

Phase 3: Customization
- Implement customizations in agile development sprints
- Conduct learning pilots and finalize course material

Phase 4: Launch
- Launch product to market

Phase 5: Support
- Managed support and monitoring, or training and hand-off depending on client capabilities and needs
Open edX Overview
Open edX Based Learning Platform

- Open edX is Perpetual’s recommended learning platform
- The fastest growing open-source learning platform founded by MIT and Harvard
- Unlike others like Moodle, it is not tied to academic environments
- It is flexible, can be white-labeled and can be highly customized for any industry use-case
Open edX Overview

Open edX: Your own learning management platform
  – Create multimedia course content
  – Allow learners to take advanced course content
  – Monitor learner progress

• Leverage a full-suite learning framework including online course material (text, video, interactive), advanced assessments, discussions, wikis, metrics and more

• Customize edX for your needs depending on your specific use-case
Feature Overview

1. Registration and Login management
   - Learners, Instructors, Staff, Admins

2. Rich Courseware
   - Content Creation
   - Learner Experience
     Core course material
     Assessments
     Discussion boards
     Wiki pages
     Certification

3. Learning Analytics
   - Enrollment stats
   - Performance breakdown
   - Grading
1. Signup/Registration
Different user types with different roles are supported on the edX default platform.
Course Student (Student)
Course Staff (Admin)
Instructors (Admin)
Beta Testers (Admin)
Discussion Admins (Admin)
Discussion Moderators (Admin)
Discussion Community TAs (Admin)

2. Content Management
edX Content Management Studio
Central authoring tool with advanced course content creation and management features

3. Reporting and Analytics
User Info
Level of Education
Overall Grade Distribution
Instructor dashboard
Student Gradebook
Student Profile information
Lesson Grade Distribution
User progress page (access from instructor dashboard)
Site Tracking
Session Data
Google analytics
Pageviews
Region/Location
Video Tracking
Region
Total video clicks

4. Courseware
Support and annotations to existing text
Discussion Board
Content types:
- HTML
- Text
- Announcement
- Full Screen Image
- Iframe
- Raw HTML
- Zooming Image

5. Problems basic
Blank Common Problem
Checkboxes
Dropdown
Multiple Choice
Text Input

6. Problem advanced
Blank advanced problem
Circuit Schematic Builder
Custom JS Display and Grading
Custom Python Evaluated Input
Drag and Drop
Image Mapped Input
Math Expression Input
Molecular Structure
Peer Assessment
Video player support

7. Open Source xBlocks
Mentoring
Image explore
Simulation
Polls & Surveys
Google Docs

8. Misc. Features Requiring Customization
Branding
Themeing
Custom Homepage
SEO
Teaching and Learning Tools
Course UI Customization
Course Certification
Custom exercises (xblocks)
Integration
External LMS Integration
SSO (Single SignOn)
LTI

9. Mobile (Needs customization)
Native Mobile App
Responsive UI
Mobile ata and Analytics
Mobil Insights (edX Reporting Dashboard)
Advanced Reporting Dashboard

10. Social
User Profiles
Social Integration (Linkedin/fb/twitter)
Badging
Course User Map
Extending Platform - CMS System
Custom metadata Integration with LMS
Custom User Registration

11. E-commerce
Paid Course
Paid Certificate Course
Video
Third Party Video Integration
Open edX Learning Experiences
Learning Experience

*Progress oriented, keep track of where you are navigation and workflow*
Captioned Video within Workflow

In this video you’ll meet Ann Scheile, the principal instructor for the course. As Ann explains, the course will help you look at divorce through the eyes of your child or children. Our experience at Families First tells us that when we look at a separation through the eyes of our children we can make better choices that benefit all parties—especially children.

Divorce is not a competition. It is a call to co-operation—to build a new partnership with one clear goal, the well-being of your child or children.

In the video, Ann will also provide an overview of the five-lesson structure of the course.

*After you’ve watched the video, click the next section on the left hand side of the page to continue.*
Assessments
Multimedia with Q&A

So what is better this time around?

Enter your answers in the box below. As before, frame your response around the Design for change framework. From what you can see in the video:

- What is Nirali feeling and why is this an improvement?
- What is Nirali imagining and why is this an improvement?
- How is Nirali implementing her ideas by doing?
- How is Nirali sharing her practice with her colleagues and peers?
Interactive Animations
This assignment has several steps. In the first step, you'll provide a response to the question. The other steps appear below the Your Response field.

Describe your favorite meal, and write a persuasive argument to convince someone to try that meal. Support your position with facts and examples from your experience.

Enter your response to the question. You can save your progress and return to complete your response at any time. After you submit your response, you cannot edit it.
As a teacher, the mindsets you have will have a strong influence on your students. In a classroom where the teacher sees herself/himself as a **leader**, we see a sense of **collective purpose**, a sense of **focus** and **urgency** from both students and teachers. We see students taking ownership of their learning and development. We see teachers driven towards helping every child in the classroom identify and fulfill his or her own potential. This can be illustrated as:

![Infographics Diagram](image-url)

On the next page, we’re going to see what this looks like in practice, as we witness the effect a powerful teacher mindset has on students. We’re going to visit a classroom in Sangam Vihar, Delhi. In the video we’ll meet the teacher, **Nirali Vasishth**, and we’ll also hear from a number of her students.

*Click forward to visit Nirali’s classroom, and hear from her students.*
Interactive Graphics Powered Tutorials

Effective teachers build three key mindsets:
1. Being human centered
2. Being optimistic
3. Being collaborative

The diagram below illustrates the overlap between these three mindsets. Click the crosses next to each circle for more detail.

When you've finished reading click the forward arrow to hear more from Nitali on how she puts these mindsets into practice.

As a teacher, you believe that every person can contribute meaningfully towards any situation and we must work together to tackle challenges and find solutions.
Discussions for Collaborative Learning
Wikis for Collaborative Learning
Google Hangouts for Collaborative Learning

It is also possible to hang out with your classmates using Google Hangouts. See who's in there now, or arrange to meet people at specific times.

Join the Instant Hangout by clicking the icon below. You can use the hangout to have live video discussions with other students.
Advanced Integrations: Software Development Environment within Courseware
Grading

Overall Grade Range

Grading Rules & Policies

Assignment Types

What can I do on this page?
You can use the slider under Overall Grade Range to specify whether your course is pass/fail or graded by letter, and to establish the thresholds for each grade.

You can specify whether your course offers students a grace period for late assignments.

You can also create assignment types, such as homework, labs, quizzes, and exams, and specify how much of a student's grade each assignment type is worth.

Other Course Settings
- Details & Schedule
- Course Team
- Group Configurations
Certification

User Profile Page

edX
Course Completed - Mar 12, 2015 at 11:00 UTC
DemoX edX Demonstration Course
Your final grade: 0%
Your Certificate is Generating

Unenroll

edX
Course Completed - Apr 17, 2014
DemoX edX Demonstration Course
Your final grade: 0%
Download Your Certificate (PDF)

Unregister
This is to certify that

John Harvard

successfully completed

CS50x: Introduction to Computer Science I

a course of study offered by HarvardX, an online learning initiative of Harvard University through edX.

David J. Malan
Senior Lecturer on Computer Science
School of Engineering and Applied Sciences
Harvard University

*Authenticity of this certificate can be verified at https://verify-edx-edx.org/cert/ebc644d0ed0343329ab1650d2c73dd6b
Content Creation
Welcome to Studio

Studio helps manage your online courses, so you can focus on teaching them.

Keeping Your Course Organized

The backbone of your course is how it is organized. Studio offers an Outline editor, providing a simple hierarchy and easy drag and drop to help you and your students stay organized.

Simple Organization For Content
Studio uses a simple hierarchy of sections and subsections to organize your content.

Change Your Mind Anytime
Draft your outline and build content anywhere. Simple drag and drop tools let you reorganize quickly.

Go A Week Or A Semester At A Time
Build and release sections to your students incrementally. You don’t have to have it all done at once.

Learning is More than Just Lectures
Studio lets you weave your content together in a way that reinforces learning. Insert videos, discussions, and a wide variety of exercises with just a few clicks.

Display Name:
Introduction to Meteorology
Modular Course Creation

Overview
- edX Tutorial
- Using the Tools
- Welcome to 6.002x
- Circuit Sandbox
- Lab Intro

Week 1
- Administrivia and Circuit Elements
- Week 1 Tutorials
Variety of Content and Assessment Types

Basic Components

1. Courseware
   Support and annotations to existing text
   Discussion Board
   Content types:
   - HTML
   - Text
   - Announcement
   - Full Screen Image
   - Iframe
   - Raw HTML
   - Zooming Image

2. Problem advanced
   Blank advanced problem
   Circuit Schematic Builder
   Custom JS Display and Grading
   Custom Python Evaluated Input
   Drag and Drop
   Image Mapped Input
   Math Expression Input
   Molecular Structure
   Peer Assessment
   Video player support

Advanced Components

3. Problems basic
   Blank Common Problem
   Checkboxes
   Dropdown
   Multiple Choice
   Text Input

4. Open Source xBlocks
   Mentoring
   Image explore
   Simulation
   Polls & Surveys
   Google Docs
Learning Analytics
Instructor Dashboard

ENROLLMENT INFORMATION

Number of enrollees (instructors, staff members, and students) by track

<table>
<thead>
<tr>
<th>Track</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verified</td>
<td>1</td>
</tr>
<tr>
<td>Audit</td>
<td>1</td>
</tr>
<tr>
<td>Honor</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

BASIC COURSE INFORMATION

- Organization: **edX**
- Course Number: **DemoX**
- Course Name: **Demo_Course**
- Course Display Name: **edX Demonstration Course**
- Has the course started? **Yes**
- Has the course ended? **No**
- Grade Cutoffs: **Pass: 0.6**
Course Progress

Course progress for student John Moreno

- Grade Distribution:
  - A: 80%
  - B: 65%
  - C: 55%
  - D: 40%
  - F: 30%

- Course Components:
  - Problem Set 02
  - Problem Set 03
  - Problem Set 04
  - Problem Set 05
  - Problem Set 06
  - Problem Set 07
  - Problem Set 08
  - Problem Set 09
  - Problem Set Aug
  - Midterm 1
  - Midterm 2
  - Final
  - Total

- Overall Progress:
  - 92%
EdX Insights provides data about student activity, background, and performance throughout the course.

Using edX Insights can help you monitor how students are doing, and validate the choices you made in designing your course.

– Course enrollment analytics
– Student engagement analytics
– Student performance
– Several other customizable reports from extensive captured learning data
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