Course Run Content

Course Run Content: Outline View

Course Display Name → **DemoX**

Sections

Subsections

Introduction
Welcome to an edX Course!

Module 1: Experiencing Course Content

Lesson 1: edX Content Basics

Lesson 1b: Advanced edX platform navigation

Homework 1: Your First Grade (3 Questions)
Homework

Module 2: Being Social

Lesson 2: A Social Student

edX
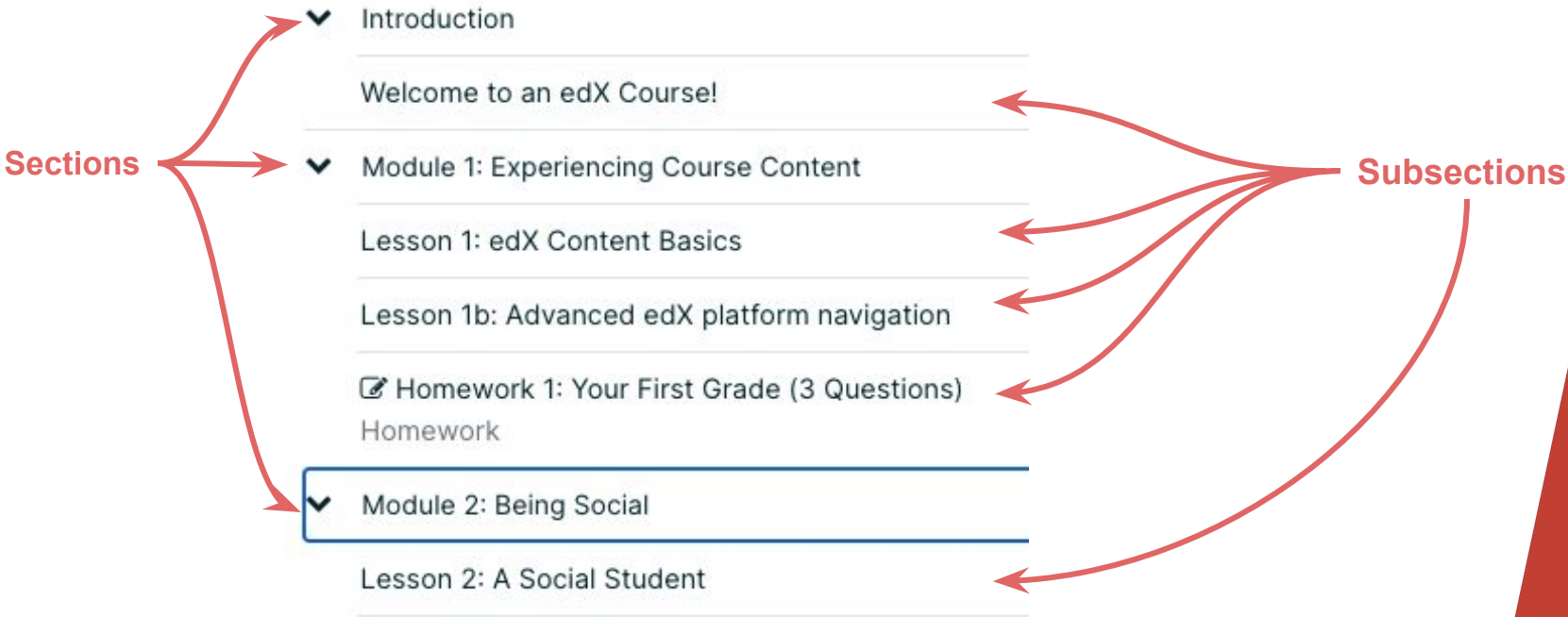
Course Run Content: Subsection View

Section

Subsection

Units

⌂ Course / Optional: Example Problem Types / Basic Problems

‹ Previous   📘   ✎   ✎   ✎   📘   Next ›

Fill-in-the-Blank

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In fill-in-the-blank problems, also known as "text input" problems, you'll enter text into a response field. The response can include letters and characters such as punctuation marks.

html component

Fill-in-the-Blank Problem

0 points possible (ungraded)

What is the name of the city that MIT and Harvard call home?

problem component

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Course Run Content: Structure Today

**XBlock:** reusable building block for course content

Course structure: directed acyclic graph of XBlocks

XBlock types:

- **Structural & Navigational** *(platform-provided)*
  - Section = *chapter*
  - Subsection = *sequential* = *sequence*
  - Unit = *vertical*

- **Component** *(platform-provided + custom-built)*
  - problem *(Checkboxes, Dropdown, etc)*
  - html *(Text, Announcement, etc)*
  - video

- **Orphan** *(not in course hierarchy)*
  - course_info: handouts, updates
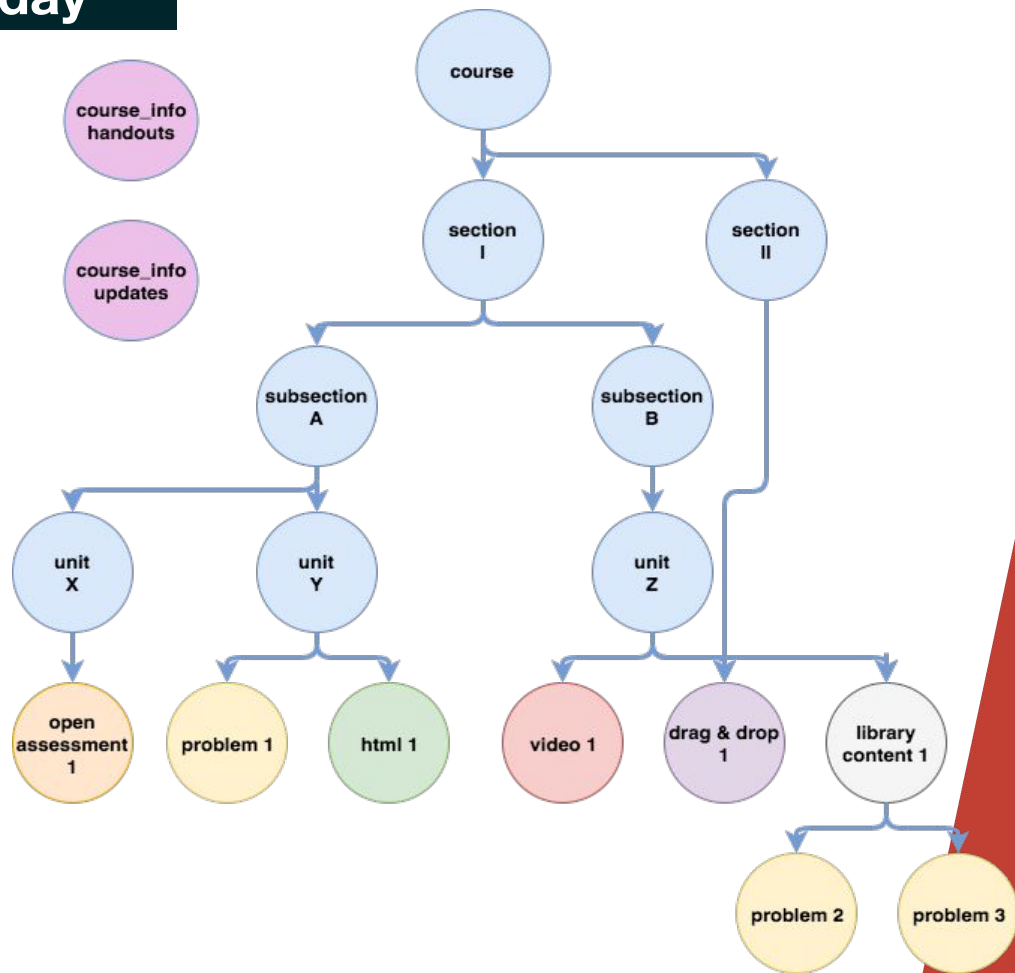
Course Run Content: Structure Future
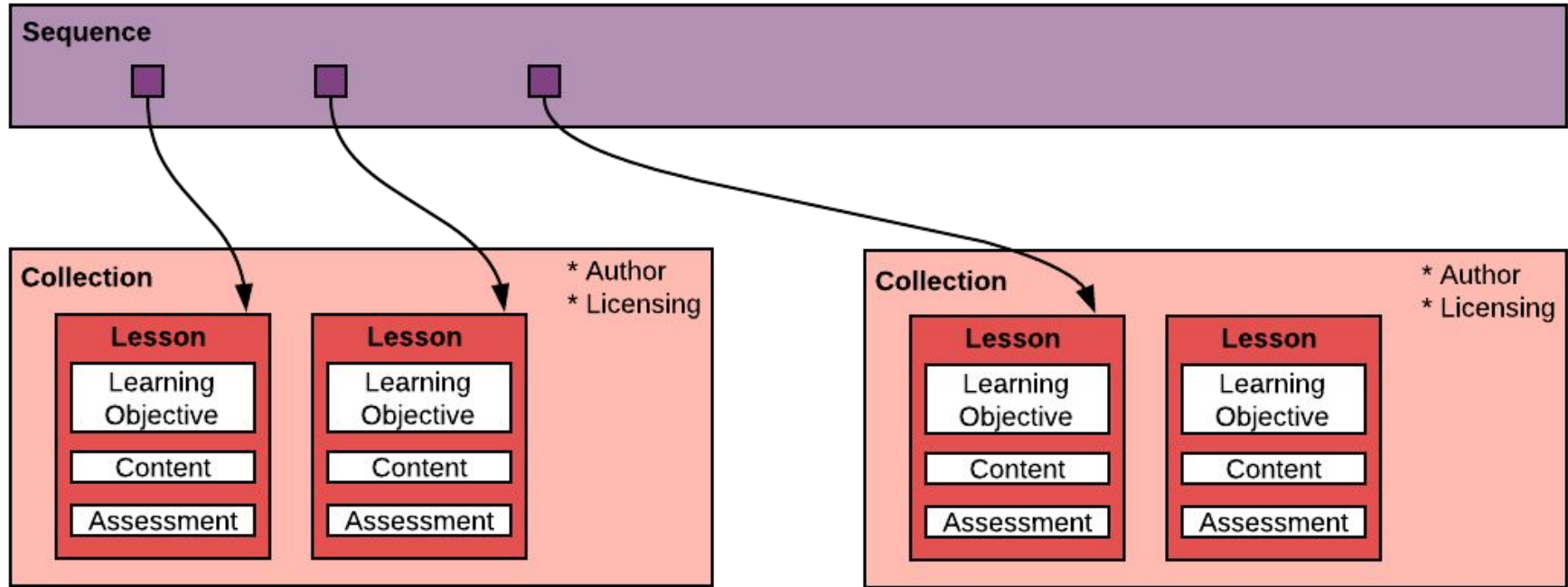
Course Run Content: XBlock Types

Containers/Structural

vertical (71%)
**sequential** (23%)
chapter (5%)

annotatable
combinedopenended
conditional
discussion (9%)
done
drag-and-drop-v2
edx_sga
edx-reverification-block
error
google-calendar
google-document
graphical_slider_tool
html (36%)
imageannotation
library_content
lti
lti_consumer
mentoring

Leaf Content Blocks

officemix
openassessment
oppia
p
pb-answer
pb-answer-recap
pb-choice
pb-column
pb-completion
pb-dashboard
pb-instructor-tool
pb-mcq
pb-message
pb-mrq
pb-table
pb-tip
peergrading
poll
poll_question

problem (34%)
problem-builder
problemset
randomize
rate
recommender
schoolyourself_lesson
schoolyourself_review
split_test
step-builder
survey
textannotation
ubcpi
video (17%)
videoalpha
videosequence
word_cloud
wrapper

XBlock Usage 🔗

edX®

XBlock

XBlock developers implement front-end and back-end code, requiring approval to install on edx.org.

	HTML Fragment	Javascript	browser
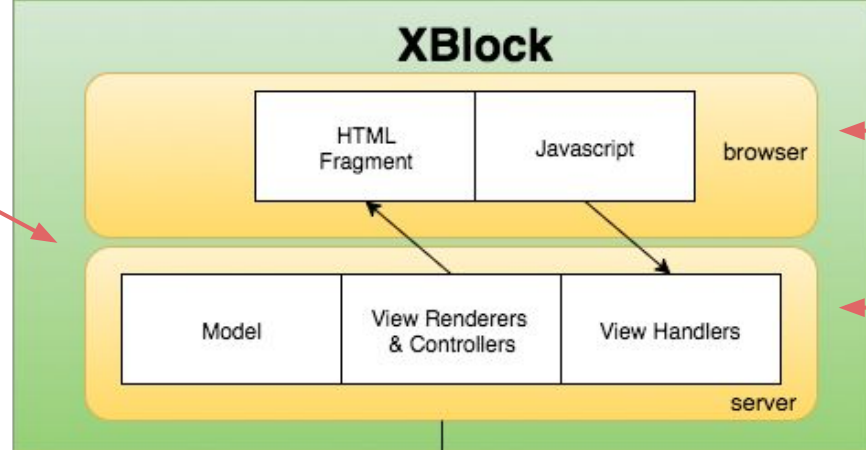
XBlock views provide HTML and JS to run in user's browser.

Model	View Renderers & Controllers	View Handlers	server

Backend code must be written in Python.

XBlock runtime

The Field Data runtime service provides a data storage abstraction for user data *(in SQL)* and content data *(in mongoDB).*

Field Data   i18n   user   file system   ...

XBlock backends run in an edX platform (LMS or Studio) runtime. The runtime provides out-of-the-box services such as internationalization, etc.
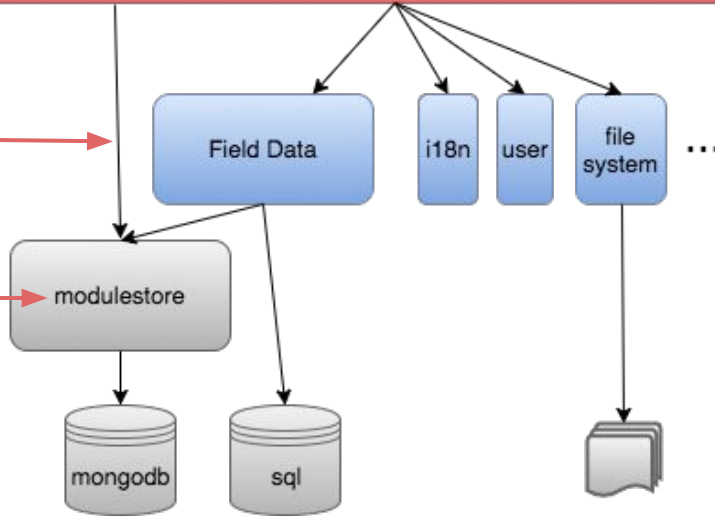
The modulestore is edX's abstraction for content data.

modulestore

mongodb   sql