

# IDDE, CCX, Overrides and Custom Keys

2 advanced features  
and their architecture

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# Individual Due Date Extensions (IDDE)

- allows instructor to change due date on one problem for one student
- site feature: uses feature flag

```
if FEATURES.get('INDIVIDUAL_DUE_DATES'):  
    FIELD_OVERRIDE_PROVIDERS += (  
        'courseware.student_field_overrides.IndividualStudentOverrideProvider',  
    )
```

# Custom Courses on edX (CCX)

- light-weight course reuse
- CCX "coach" can set dates, remove sections
  - can enroll students
  - can't change course content

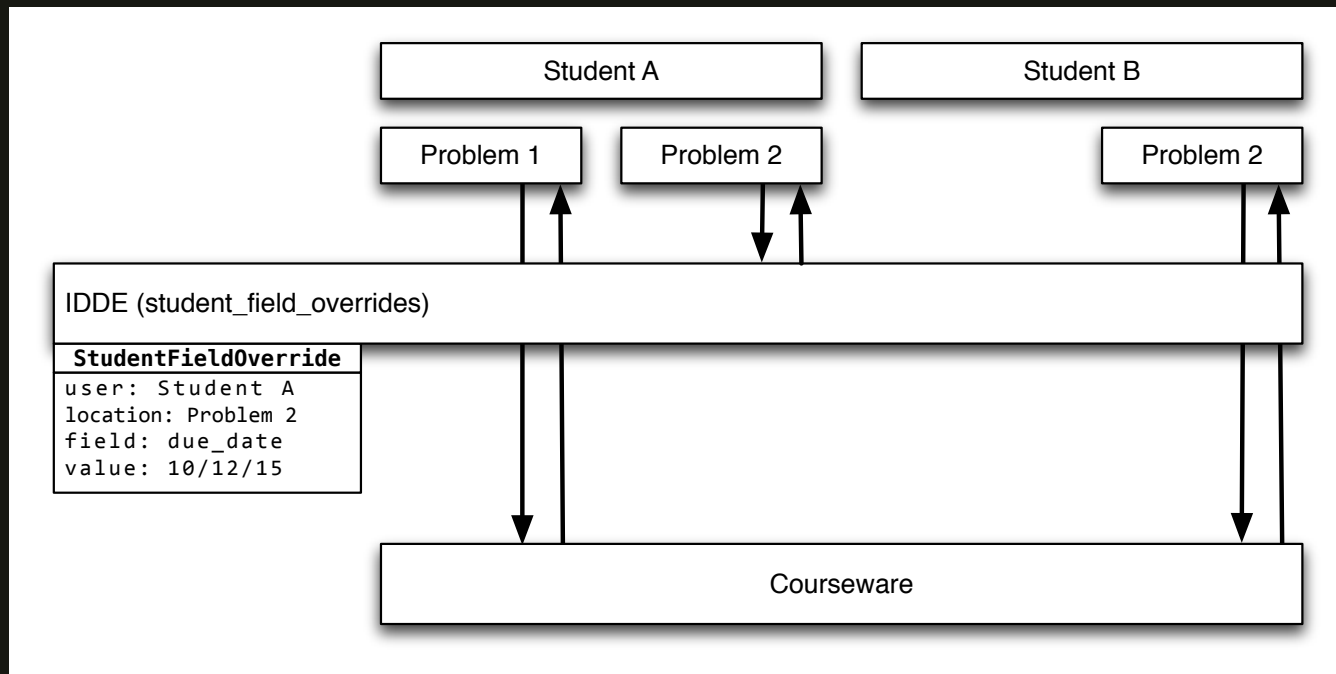
```
if FEATURES.get('CUSTOM_COURSES_EDX'):
    INSTALLED_APPS += ('ccx',)
    FIELD_OVERRIDE_PROVIDERS += (
        'ccx.overrides.CustomCoursesForEdxOverrideProvider',
    )
```

# Overrides for XBlock fields

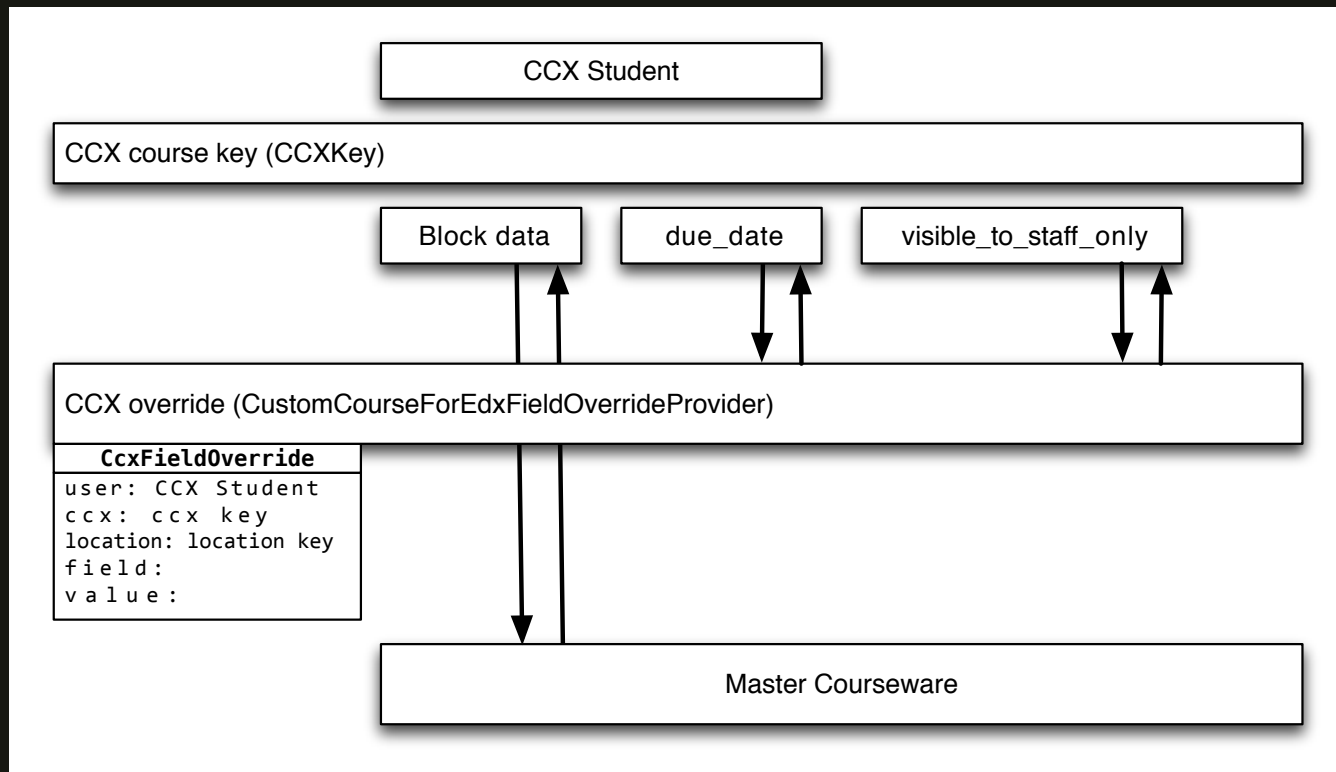
What do these features have in common?

We want to modify some XBlock fields for some users.

# IDDE Overrides



# CCX Overrides



# Thank You!

- Ike Chuang came up with the acronyms
- Chris Rossi (Jazkarta) wrote IDDE (twice)
- Cale Pennington dreamed up overrides, and then actually made them work
- Jazkarta (Chris Rossi, Carlos de la Guardia and Cris Ewing) wrote CCX
- Dave Ormsbee persuaded us to create custom CCX keys
- edX Engineering
- MIT ODL Engineering