

Onshape Interface Walk-through

Fall 2019 - MECH 311

The Document Page

The screenshot shows the Onshape web interface with the 'My Onshape' view selected. The left sidebar contains a navigation menu with sections like 'Recently opened', 'Teams', 'Labels', 'Public', and 'Subscription: Education'. The main area displays a grid of documents and folders. At the top of the grid, there are four document cards: 'College - Casting Fixture De...', 'College - Casting Fixture De...', 'College - Pre-made Sketches', and 'M5 Tensioner Bracket Parts...'. Below this is a table with columns 'Name', 'Workspace', 'Modified', 'Modified by', and 'Owned by'. The table lists several folders, all owned by 'me' and modified on May 30, 2018. The folders include 'MECH 311 Fall 2019', 'MECH 311 Fall 2018', 'Sandbox', 'MECH 311 Fall 2017', 'Training', 'Misumi References', 'Swan Annex', 'Creo Reference Models', 'MECH 311 Fall 2016', 'Kinematics', 'MECH 311 Old Documents', and 'MECH 311 Reference'. A 'Details' panel on the right shows a large 'On' logo icon and a placeholder text 'Select a document or folder to view its details'.

Name	Workspace	Modified	Modified by	Owned by
MECH 311 Fall 2019		10:50 AM Yesterday	me	me
MECH 311 Fall 2018		1:02 PM Jul 9	me	me
Sandbox		9:27 PM May 24	me	me
MECH 311 Fall 2017		11:34 AM Oct 6 2018	me	me
Training		11:42 AM Aug 29 2018	me	me
Misumi References		11:08 AM Aug 18 2018	me	me
Swan Annex		11:57 AM May 30 2018	me	me
Creo Reference Models		11:56 AM May 30 2018	me	me
MECH 311 Fall 2016		11:55 AM May 30 2018	me	me
Kinematics		11:52 AM May 30 2018	me	me
MECH 311 Old Documents		11:50 AM May 30 2018	me	me
MECH 311 Reference		11:49 AM May 30 2018	me	me

Main Document Page

My Onshape view selected on the left. Shows most recent documents at the top followed by folders (if there are any) and all of your other documents. This is what Onshape will likely look like when you log in. No document is selected at this time.

The screenshot shows the Onshape web interface. The left sidebar is titled "My Onshape" and contains a search bar, a "Create" button, and a list of categories: Recently opened, Created by me, Shared with me, Teams, Labels, Folders, Public, and Subscription: Education. Under "Recently opened", there are four documents: "College - Casting Fixture De...", "College - Casting Fixture De...", "College - Pre-made Sketches", and "M5 Tensioner Bracket Parts...". The "College - Casting Fixture De..." document is selected, as indicated by a cursor over its name. The main area displays a table of documents and folders:

Name	Workspace	Modified	Modified by	Owned by
MECH 311 Fall 2019		10:50 AM Yesterday	me	me
MECH 311 Fall 2018		1:02 PM Jul 9	me	me
Sandbox		9:27 PM May 24	me	me
MECH 311 Fall 2017		11:34 AM Oct 6 2018	me	me
Training		11:42 AM Aug 29 2018	me	me
Misumi References		11:08 AM Aug 18 2018	me	me
Swan Annex		11:57 AM May 30 2018	me	me
Creo Reference Models		11:56 AM May 30 2018	me	me
MECH 311 Fall 2016		11:55 AM May 30 2018	me	me
Kinematics		11:52 AM May 30 2018	me	me
MECH 311 Old Documents		11:50 AM May 30 2018	me	me
MECH 311 Reference		11:49 AM May 30 2018	me	me

The right side of the interface shows a detailed view of the selected document, "College - Casting Fixture Demo Brady". It includes sections for Owner (me), Document description, Document labels, Created by (me, 2:19 PM Today), Last modified by (me, 2:27 PM Today), and Default workspace (Main). The document thumbnail shows a blue and yellow mechanical part.

Main Document Page

My Onshape view selected on the left. Shows most recent documents at the top followed by folders (if there are any) and all of your other documents. In this image one of the documents is selected by clicking in the space around/next to the document name. Clicking on the document name will open the document.

The screenshot shows the Onshape web interface with the following details:

- Left Sidebar:** Contains navigation links like "My Onshape", "Recently opened", "Created by me" (which is selected), "Shared with me", "Teams", "Labels", "Public", "Email (briandbrady@mac.com)", and "Trash".
- Top Bar:** Includes tabs for "Improvement requests — Onshape", "Documents", "Onshape Learning Center", "Courses - CoCalc", "Issues · sagemathinc/cocalc · GitHub", "App Store", "Learning Center", and user "Brian Brady".
- Search Bar:** Shows "Search in Created by me" and a magnifying glass icon.
- Document List:** A table showing 13 documents:

Name	Workspace	Modified	Modified by	Owned by
College - Casting Fixture Demo	Brady Main	2:27 PM Today	me	me
M5 Tensioner Bracket Parts HW	Main	1:13 PM Today	me	me
dwg files	Main	5:39 PM Jul 13	me	me
Old CAD Files	Main	9:29 PM Jul 11	me	me
Untitled document	Main	3:17 PM Jun 25	me	me
bradyb M5 Models HW	Main	1:07 PM Jun 20	me	me
bradyb Design Intent 1	Main	12:46 PM Jun 18	me	me
bradyb1 M6 Sensor Mounting Assignment	Main	12:04 PM Jun 14	Lou Gallo (Onshape)	me
bradyb P1 Modeling Project 2018	Main	11:50 PM May 28	me	me
Name Tag	Main	11:19 PM May 28	me	me
M18 Mini Chopper Starter	Main	11:19 PM May 28	me	me
P1 Modeling Project Student 2018	Main	11:19 PM May 28	me	me
- Right Panel:** A "Details" panel for the selected document "College - Casting Fixture Demo". It includes sections for "Owner" (me), "Document description", "Document labels", "Created by" (me, 2:19 PM Today), "Last modified by" (me, 2:27 PM Today), and "Default workspace" (Main). It also displays a 3D model of the casting fixture.

Main Document Page

Created by me selected on the left. The list view is shown with a part selected showing its details on the right.

The screenshot shows the Onshape web interface with a list of documents. A specific document, "bradyb Design Intent 1", is selected and its sharing details are being viewed in a modal window.

Document List:

Name	Workspace	Modified	Modified by	Owned by
College - Casting Fixture Demo	Brady Main	2:27 PM Today	me	me
M5 Tensioner Bracket Parts HW	Main	1:13 PM Today	me	me
dwg files	Main	5:39 PM Jul 13	me	me
Old CAD Files	Main	9:29 PM Jul 11	me	me
Untitled document	Main	3:17 PM Jun 25	me	me
bradyb M5 5 Models HW	Main	1:07 PM Jun 20	me	me
bradyb Design Intent 1	Main	12:46 PM Jun 18	me	me
bradyb1 M6 Sensor Mounting Assignment	Main	12:04 PM Jun 14	Lou Gallo (Onshape)	me
bradyb P1 Modeling Project 2018	Main	11:50 PM May 28	me	me
Name Tag	Main	11:19 PM May 28	me	me
M18 Mini Chopper Starter	Main	11:19 PM May 28	me	me
P1 Modeling Project Student 2018	Main	11:19 PM May 28	me	me

Sharing Details Modal:

bradyb Design Intent 1
bradyb@ferris.edu
Edit Copy Export Comment

Main Document Page

The list view is shown with a part selected. Display the sharing details for the document by clicking on the icon shown. Notice that this document has been shared with bradyb@ferris.edu with edit, copy, export, and comment privileges.

The screenshot shows the Onshape interface with the following details:

- Left Sidebar:** Contains navigation links like "My Onshape", "Recently opened", "Created by me" (which is selected), "Shared with me", "Teams", "Labels", "Public", "Email (briandbrady@mac.com)", and "Trash".
- Top Bar:** Shows tabs for "Improvement requests — Onshape", "Documents", "Onshape Learning Center", "Courses - CoCalc", and "Issues · sagemathinc/cocalc · GitHub".
- Search Bar:** A search field with the placeholder "Search in Created by me" and a magnifying glass icon.
- Document List:** A table showing 14 workspace documents. The columns are "Name", "Workspace", "Modified", "Modified by", and "Owned by". The first document, "College - Casting Fixture Demo Brady Main", is highlighted in blue and has a "Versions and history" button next to it.
- Version History Panel:** An open panel titled "College - Casting Fixture Demo Brady" showing the version history. It lists 17 changes made by Brian Brady on 2021-07-13 at 2:27 PM. The first change is "Main" (Brian Brady, 2:27 PM Today). The last change is "Start" (Brian Brady, 2:19 PM Today).
- Bottom Navigation:** Buttons for "Workspace", "Version", and "Change".

Main Document Page

The list view is shown with a part selected. Display the version and history information for the document by clicking on the icon shown. Click on “show changes...” for any version to see more details. Onshape tracks every change to the document. You can roll the document back to any time, so it is very difficult to permanently damage or break a document.

The screenshot shows the Onshape web interface. On the left, there's a sidebar with navigation links like 'My Onshape', 'Recently opened', 'Created by me' (which is selected), 'Shared with me', 'Teams', 'Labels', 'Public', and 'Trash'. Below that is a 'Subscription: Education' section with an 'Upgrade' button. The main area displays a table of documents with columns for Name, Workspace, Modified, Modified by, and Owned by. One document, 'bradyb Design Intent 1', is highlighted with a blue background. A modal window titled 'Labels for bradyb Design Intent 1' is open, containing a search bar and a list of available labels: Grade These, Graded, Late, MECH 311 F15, MECH 311 F16, MECH 311 F17, MECH 311 F18, MECH 311 F19, and On-Time. At the bottom of the modal is a 'Create new label' button.

Name	Workspace	Modified	Modified by	Owned by
College - Casting Fixture Demo Brady	Main	2:27 PM Today	me	me
M5 Tensioner Bracket Parts HW	Main	1:13 PM Today	me	me
dwg files	Main	5:39 PM Jul 13	me	me
Old CAD Files	Main	9:29 PM Jul 11	me	me
Untitled document	Main	3:17 PM Jun 25	me	me
bradyb M5 5 Models HW	Main	1:07 PM Jun 20	me	me
bradyb Design Intent 1	Main	12:46 PM Jun 18	me	me
bradyb1 M6 Sensor Mounting Assignment	Main	12:04 PM Jun 14	Lou Gallo (Onshape)	me
bradyb P1 Modeling Project 2018	Main	11:50 PM May 28	me	me
Name Tag	Main	11:19 PM May 28	me	me
M18 Mini Chopper Starter	Main	11:19 PM May 28	me	me
P1 Modeling Project Student 2018	Main	11:19 PM May 28	me	me

Main Document Page

Labels pull-down menu. Add label(s) to the current document and/or create new labels. Labels are specific to the user and a good way to organize/classify your documents.

The screenshot shows the 'My account Preferences' section of the Onshape settings. The left sidebar has 'Preferences' selected. The main area includes sections for Language (Display language set to English), Units (Length, Angle, Mass units and decimal places), View manipulation (View settings set to Onshape (default)), and a footer with 3D Part & Assembly and 2D Drawing tabs.

Language

Display language: English

Save language

Units

Length units: Inch | Length decimal places: 0.123

Angle units: Degree | Angle decimal places: 0.123

Mass units: Pound | Mass decimal places: 0.123

Time format: 12 hour

Save units

View manipulation

View settings: Onshape (default)

Subscription: Education

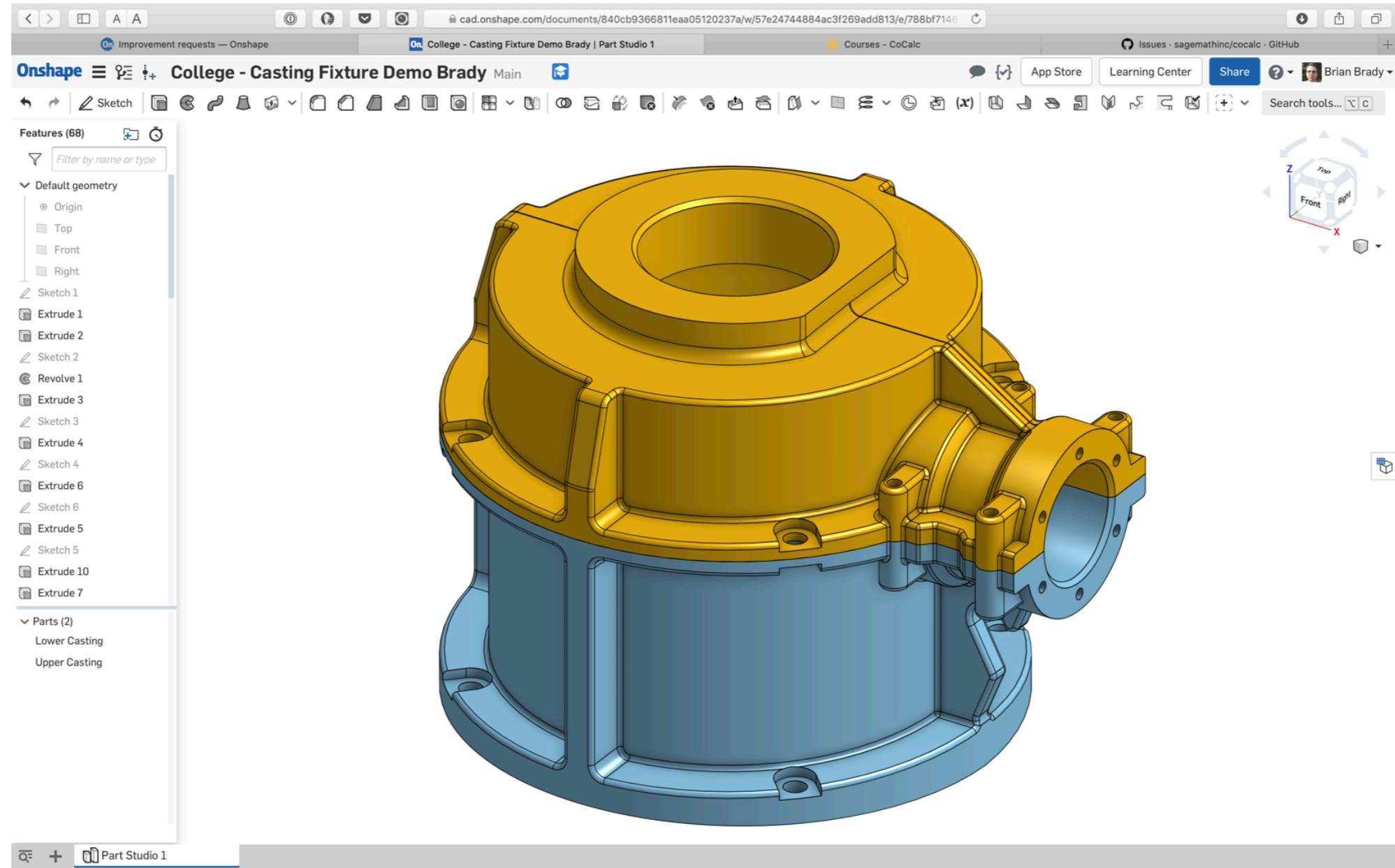
Upgrade

© 2013 - Present, Onshape Inc. All Rights Reserved. Terms & Privacy (1.99.23855.f5cc4a550faa)

Account Preferences

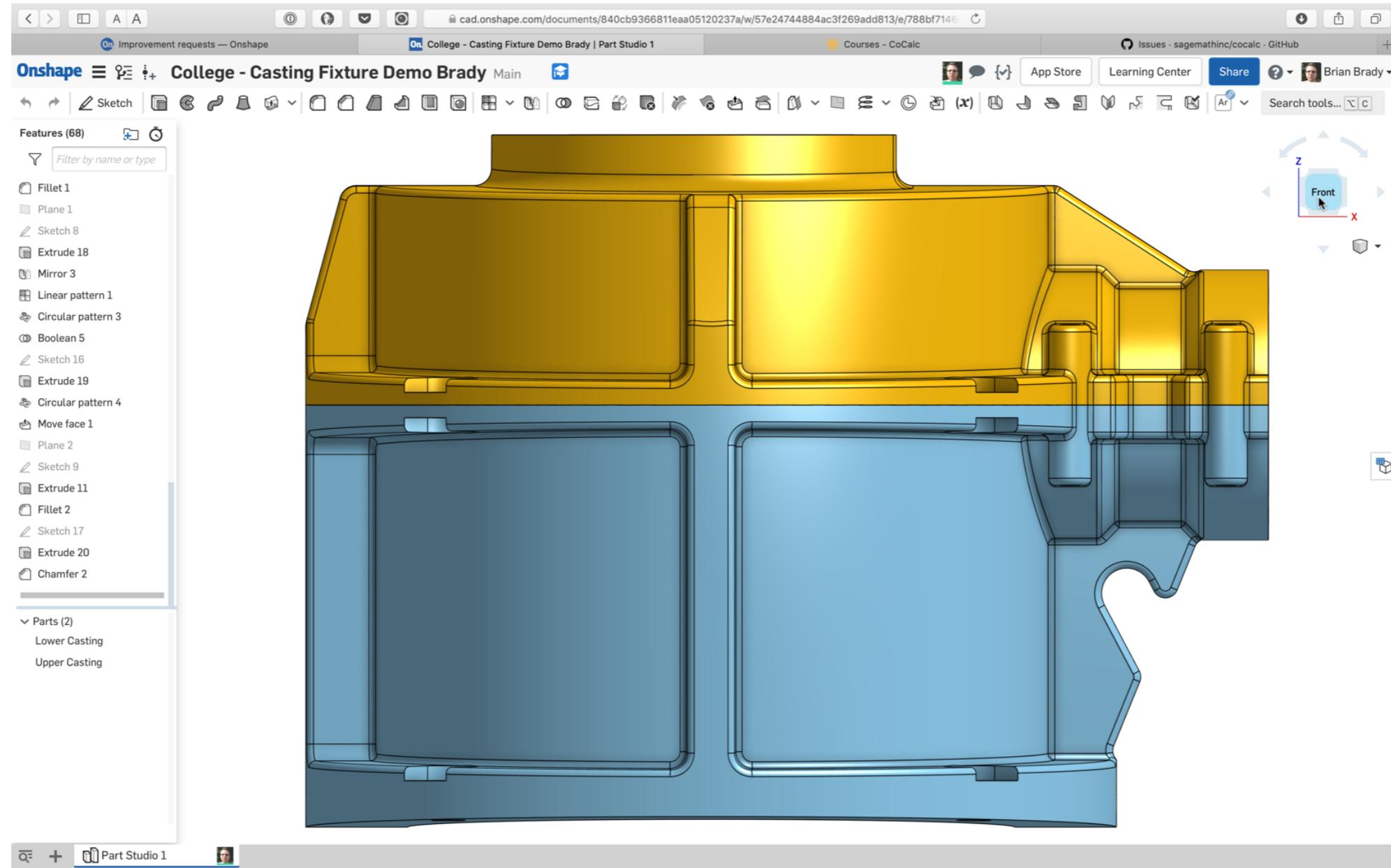
Access your account settings/preferences by clicking on your name in the upper right corner and selecting the appropriate menu item. You can change the default unit and view manipulation settings, as well as customize the “s” shortcut menu.

The Modeling Interface



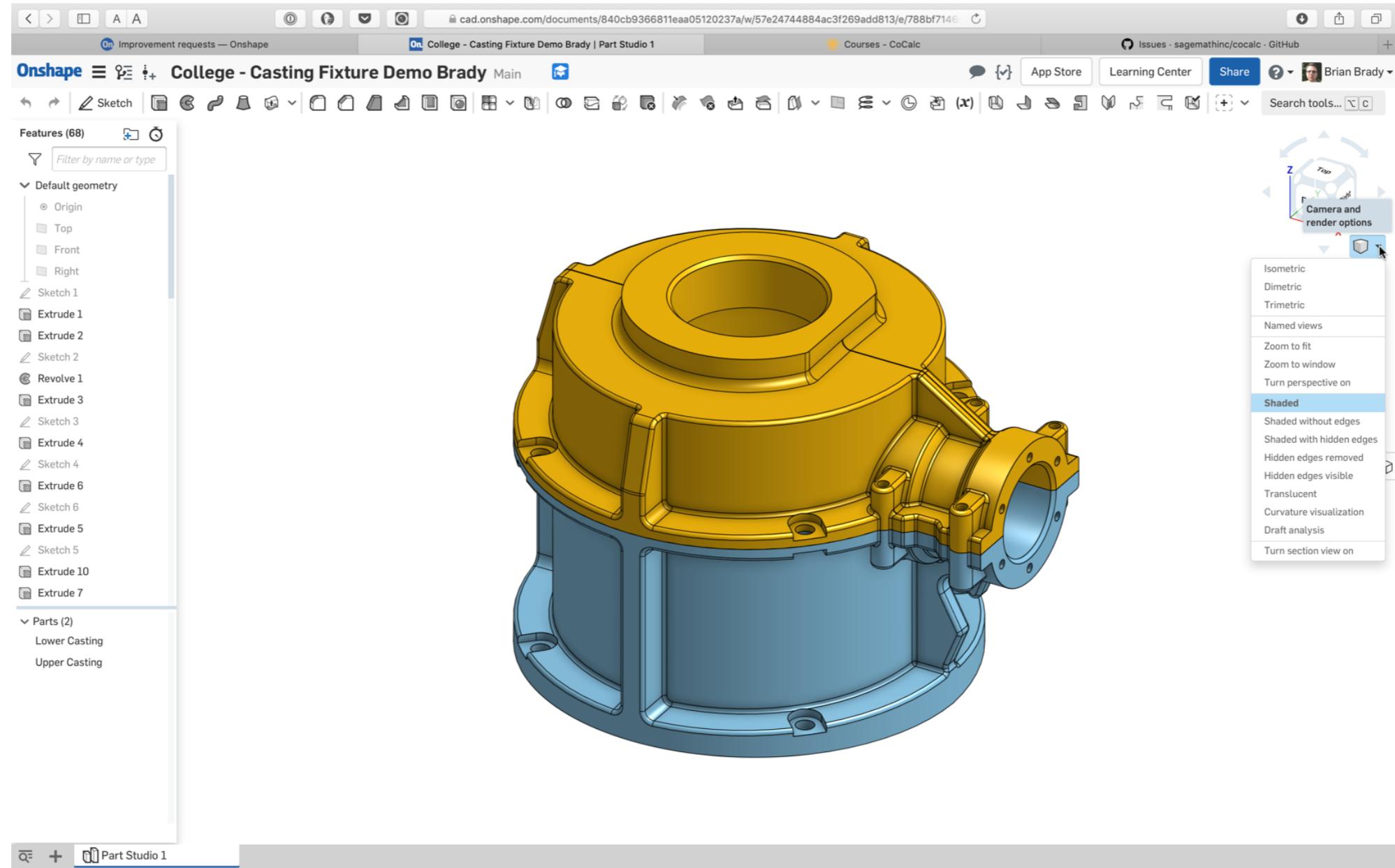
The Modeling Interface

This is what the modeling interface will look like when you first enter it from the main document page.



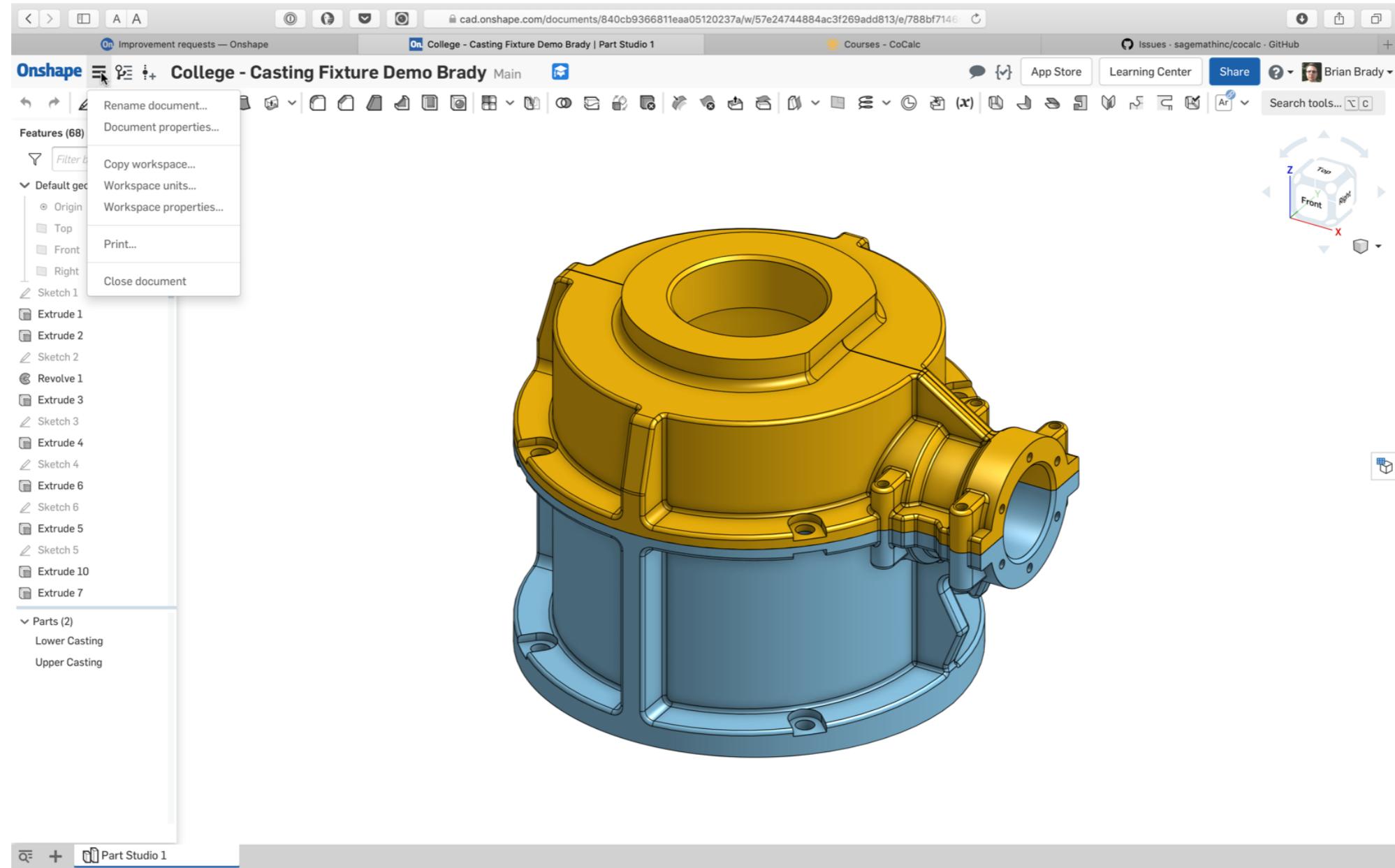
The Modeling Interface

Clicking on the view manipulation icon will change the view orientation. Try out the arrows as well as the faces, edges, and corners of the cube to see what happens.



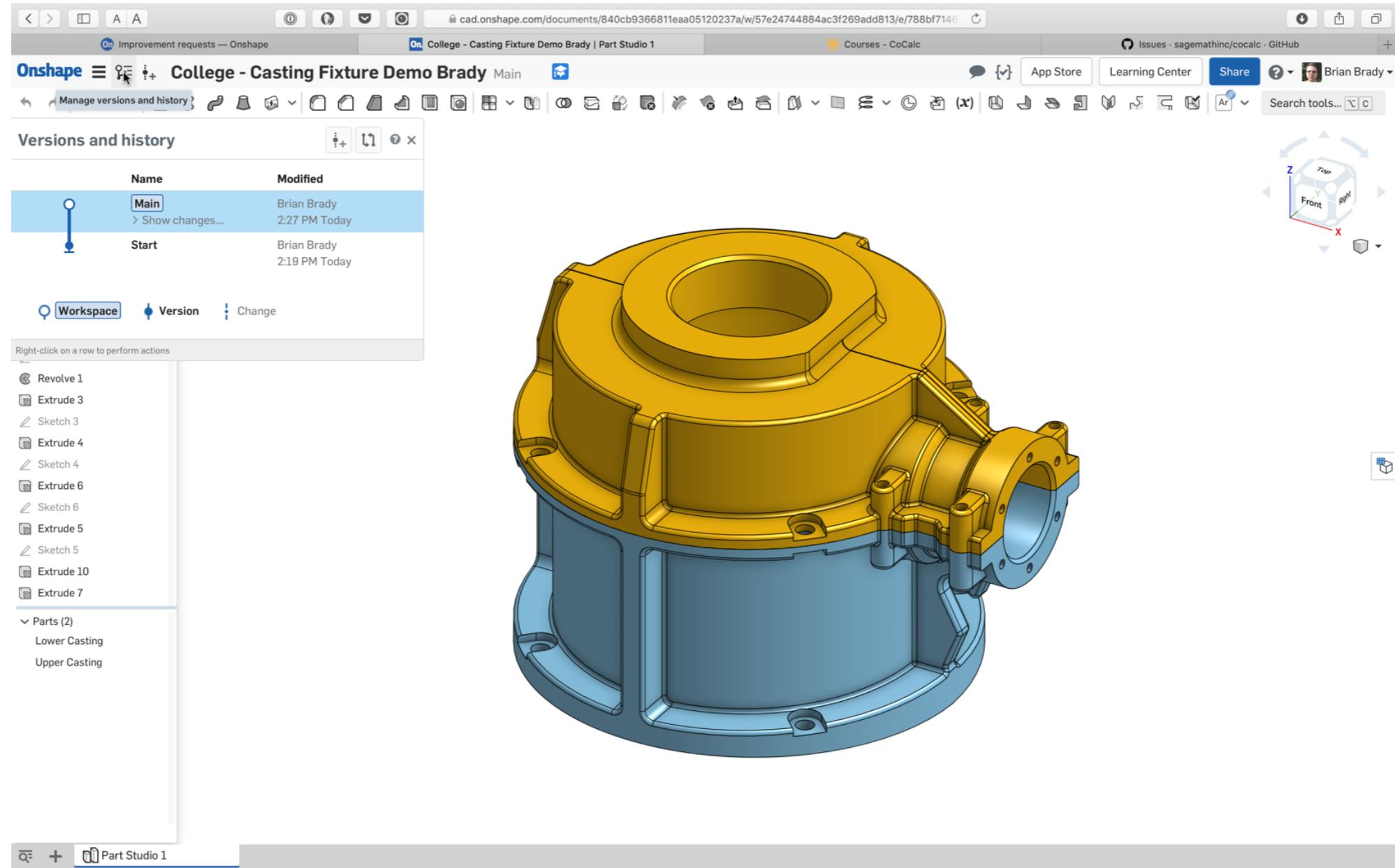
The Modeling Interface

The Camera and Render Options menu is accessed via the small grey cube. The default view is shaded (which includes visible black edges).



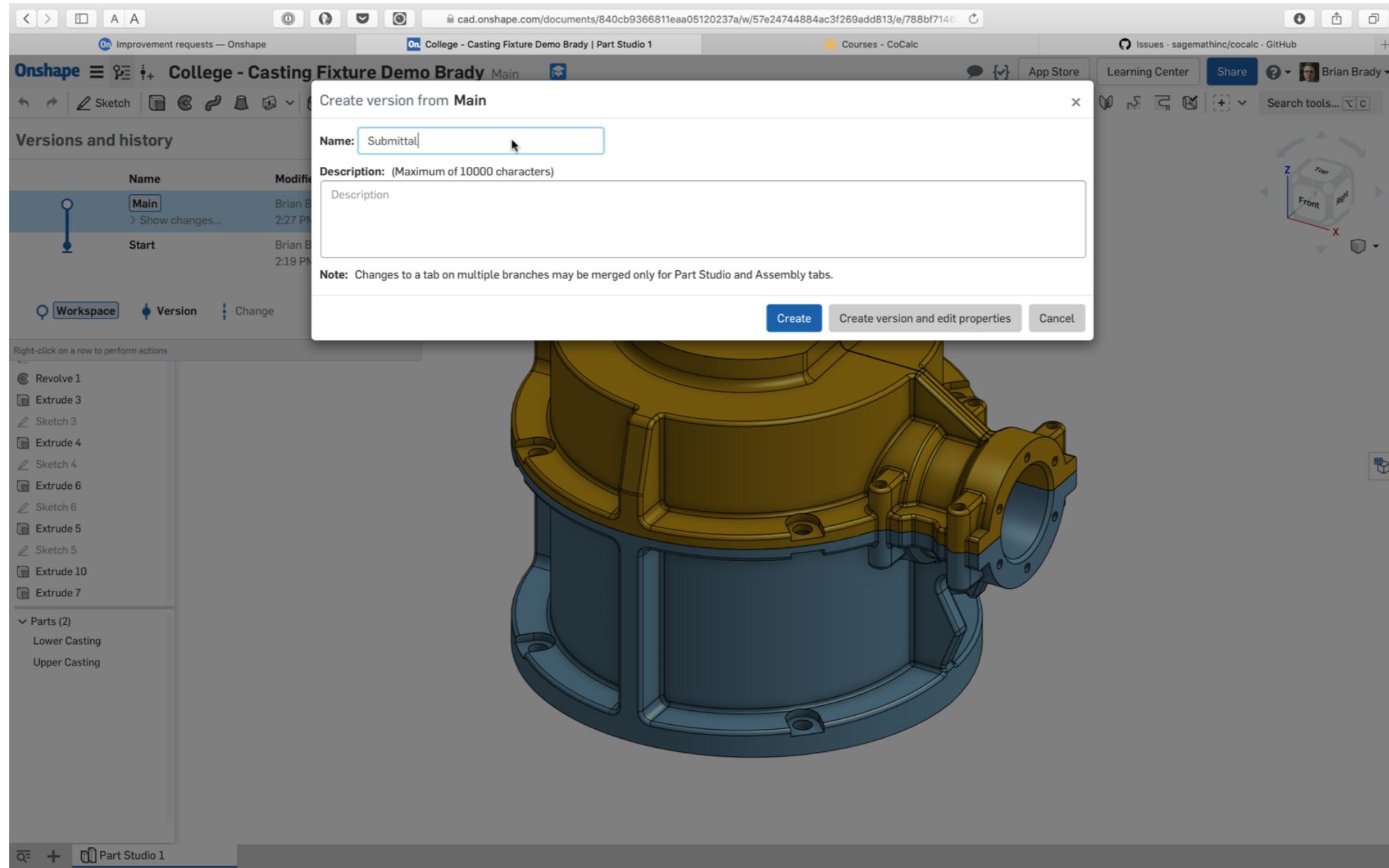
The Modeling Interface

The main document menu. Rename the document, change properties, set the units, and more from this menu.



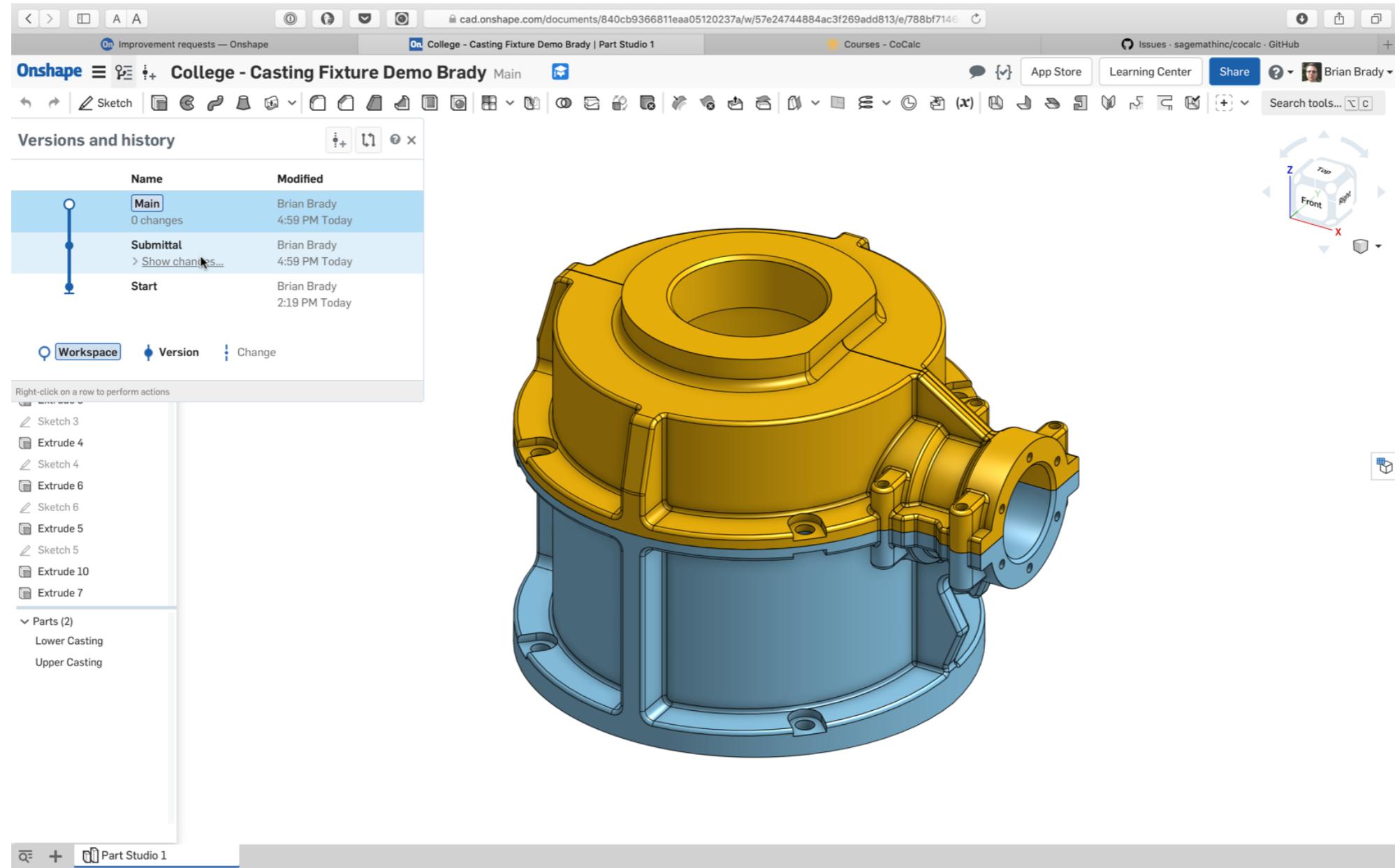
The Modeling Interface

The Versions and History panel pops up after clicking on its icon in the upper tool bar.



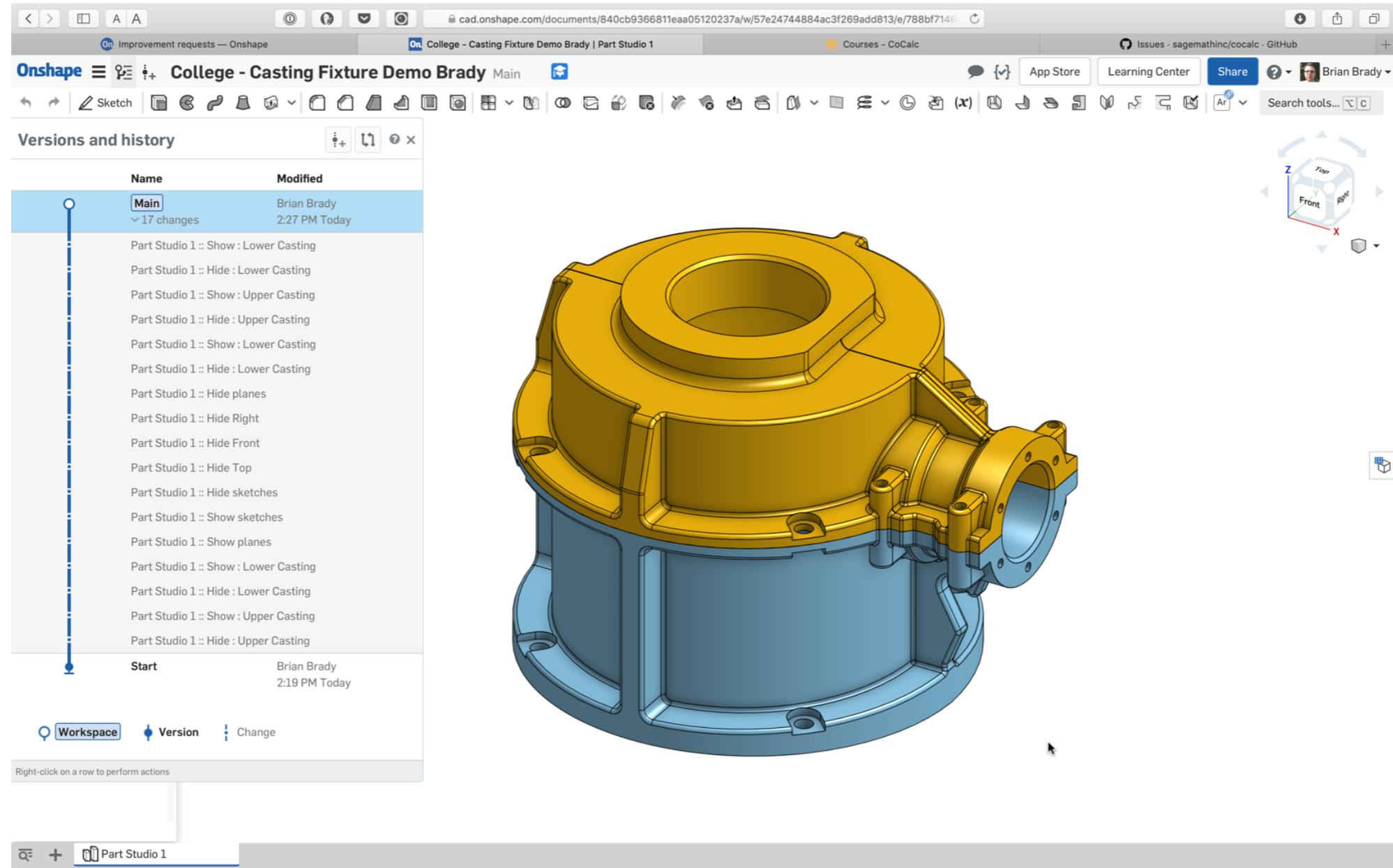
The Modeling Interface

The Versions and History panel pops up after clicking on its icon in the upper tool bar. Click on the create version button in the panel to see this panel and create a version. Keep in mind that versions cannot be deleted. Think of them as save points that you always have access to.



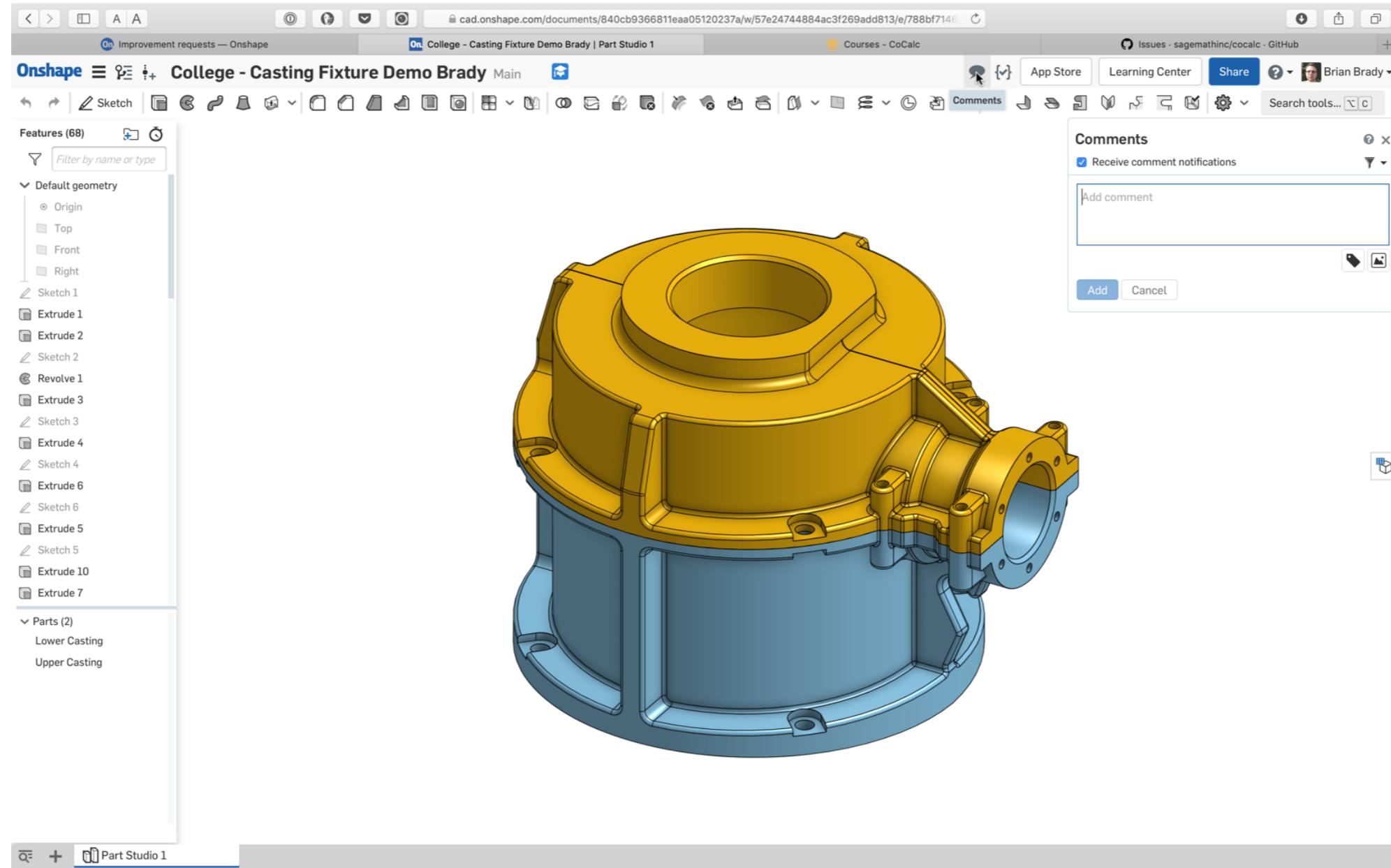
The Modeling Interface

The Versions and History panel pops up after clicking on its icon in the upper tool bar. Click on “show changes...” below any version to see all of the edits/modifications to the document since the previous version.



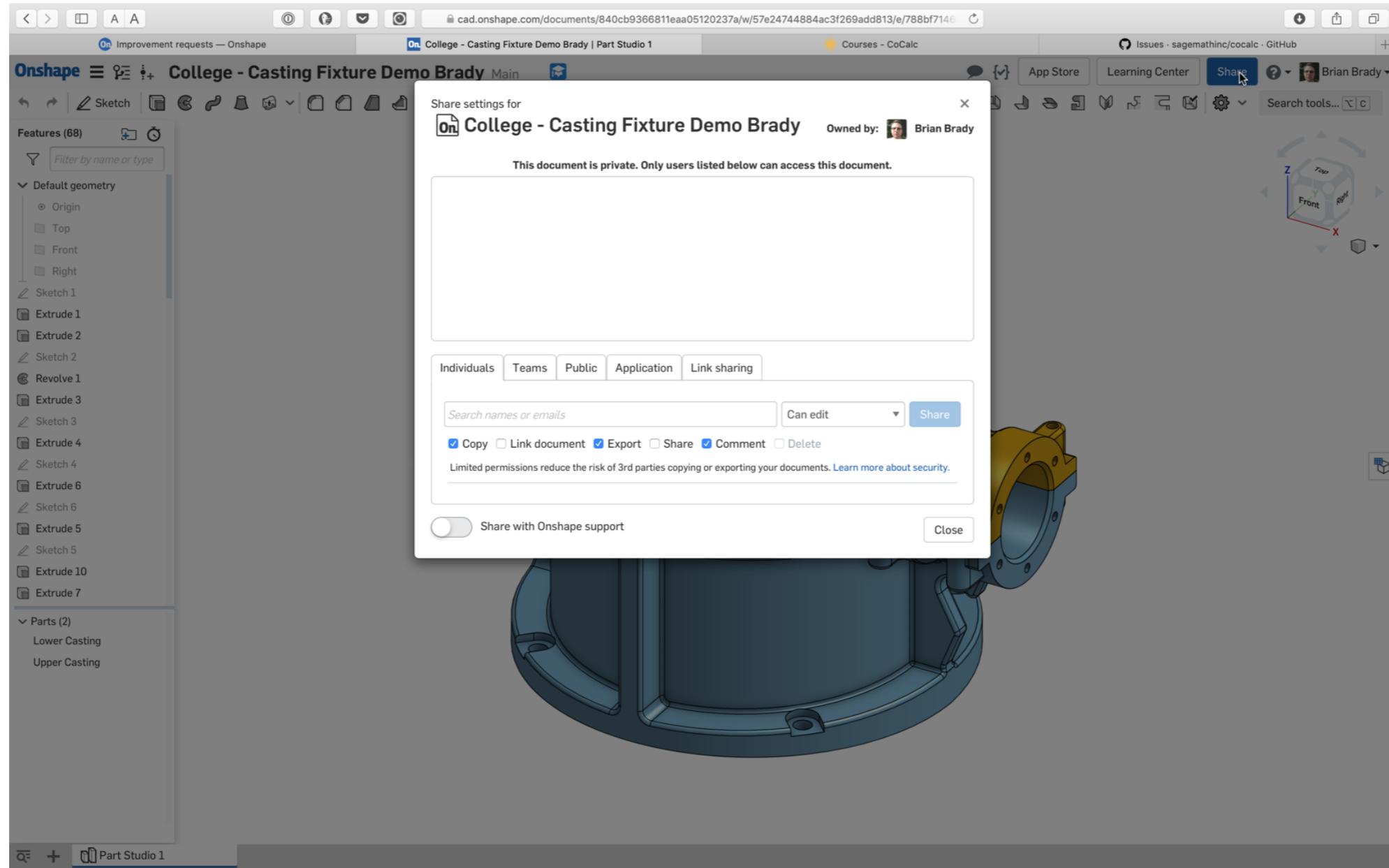
The Modeling Interface

The Versions and History panel pops up after clicking on its icon in the upper tool bar. Click on “show changes...” below any version to see all of the edits/modifications to the document since the previous version. You can select to roll back to any point in the list and perform other operations. Right-click on any change to see what is possible.



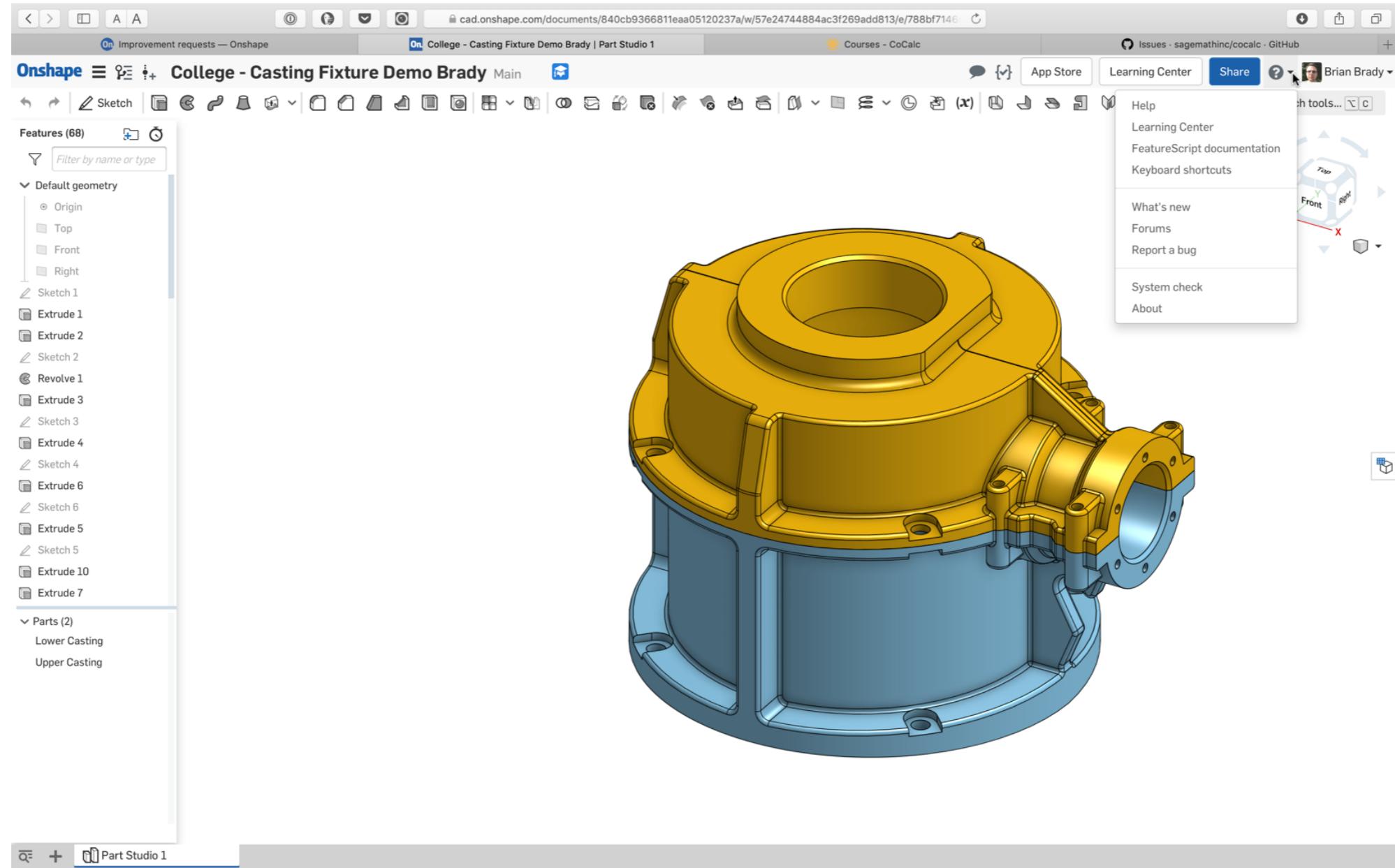
The Modeling Interface

The comments button and panel allows you to add comments to a document and chat with others who have access. You can even select specific features and comment on them.



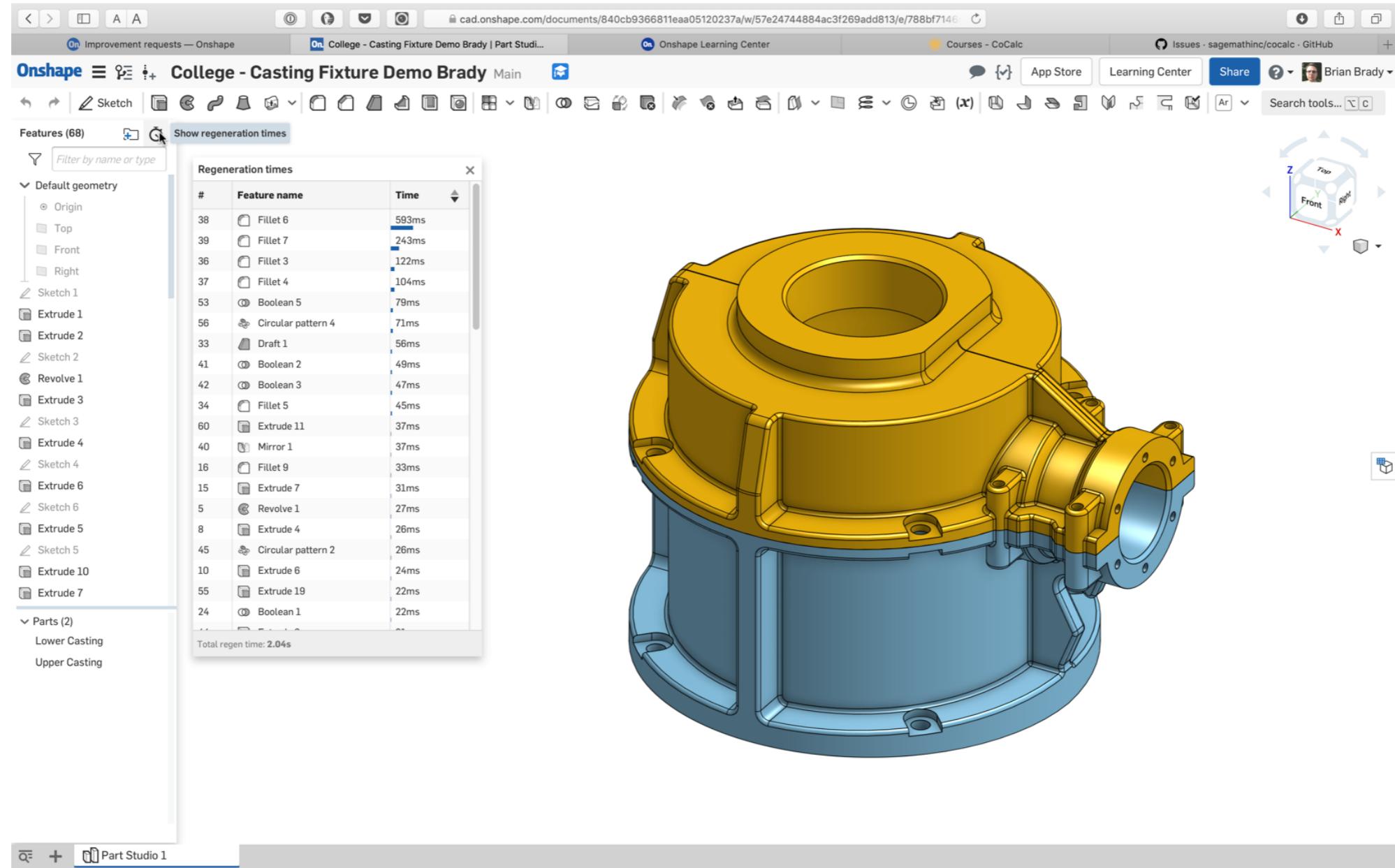
The Modeling Interface

You can change share settings from the modeling interface as well as from the main document page. Make sure to share documents with team members and/or the instructor with “can edit” permission. It is also a good idea to make sure “comment” is checked as well.



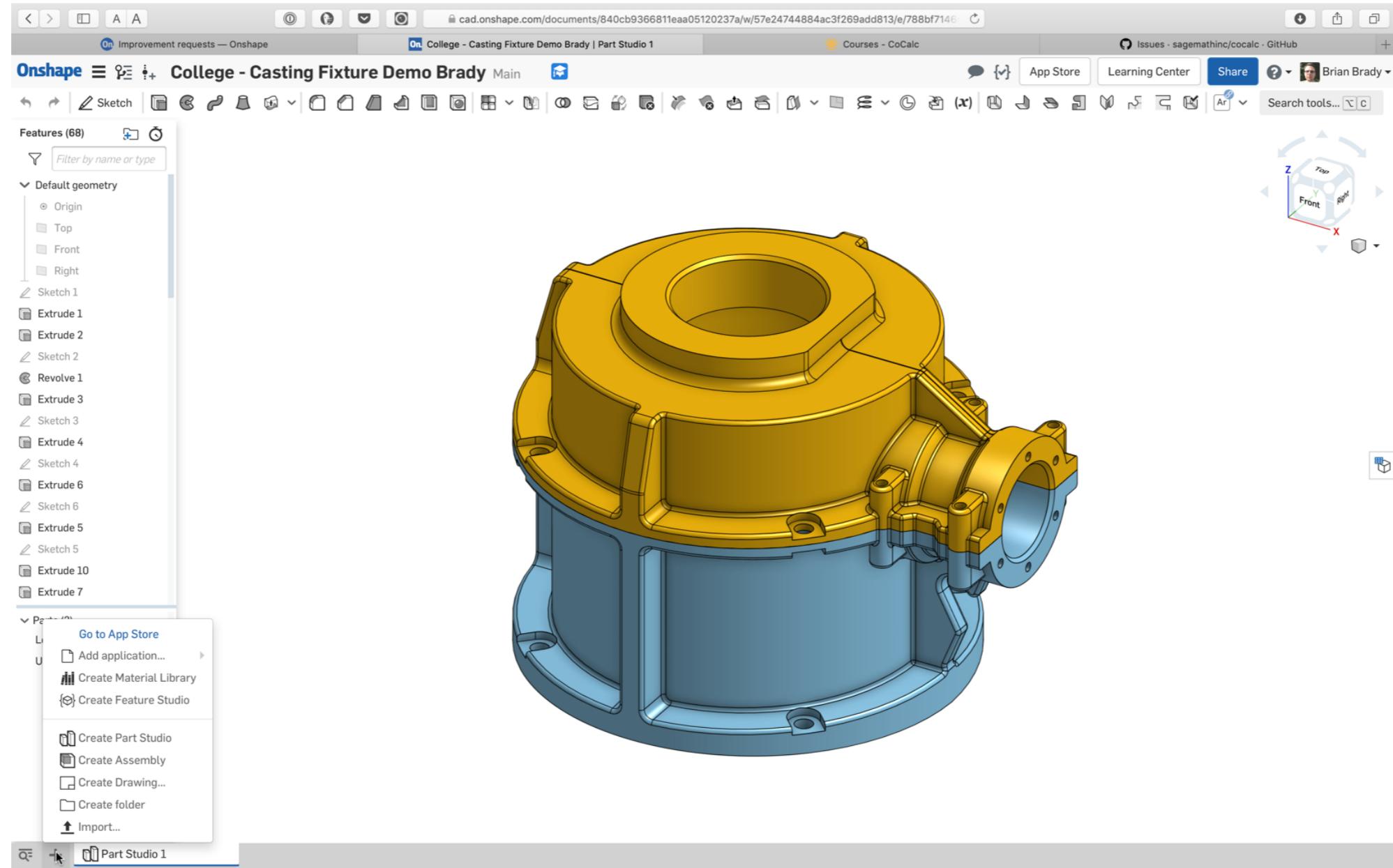
The Modeling Interface

The help (?) menu. Good stuff here.



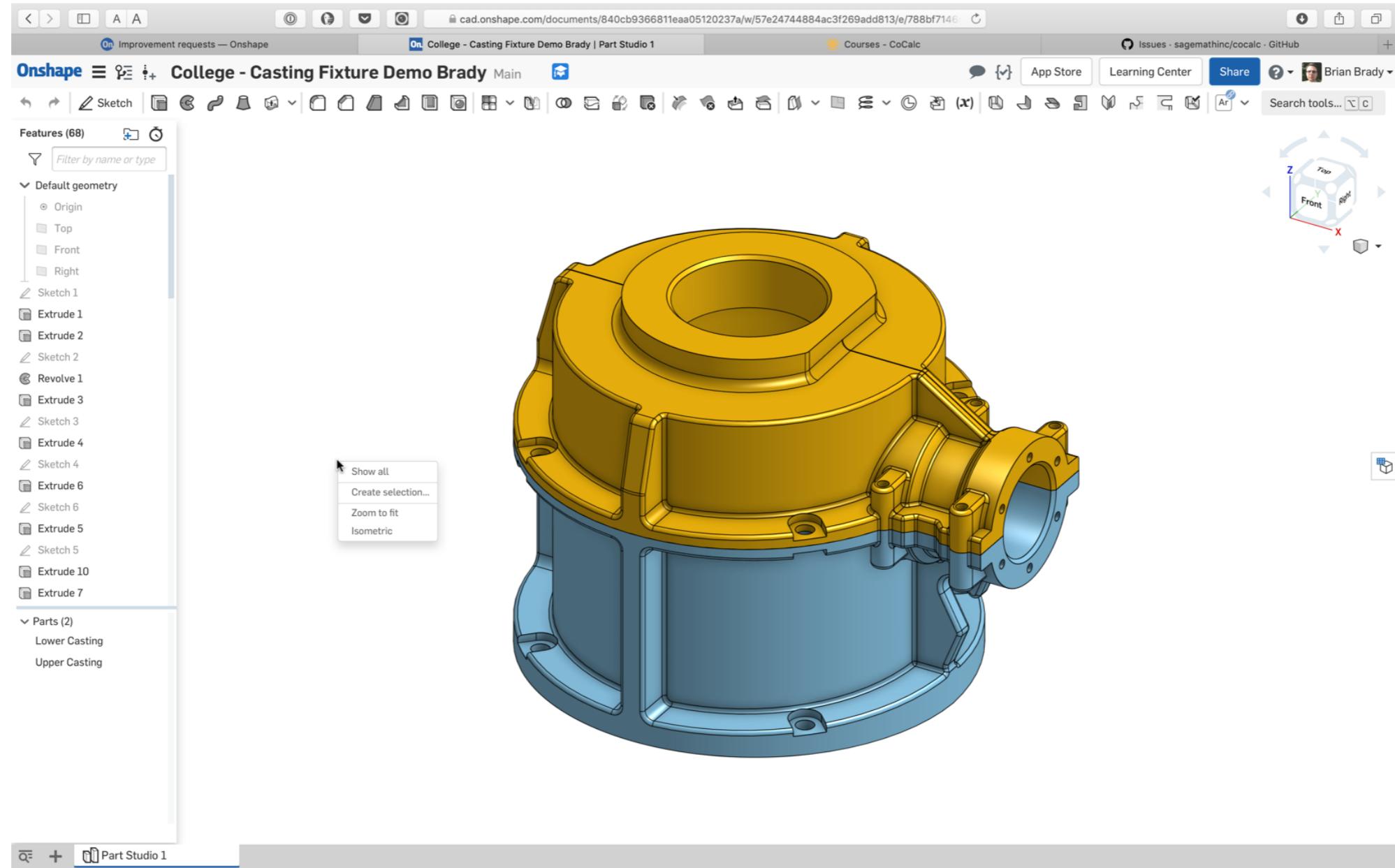
The Modeling Interface

The stopwatch icon shows the regeneration time for every feature in the feature tree. Some feature types are more efficient than others. Sometimes you may want to suppress features that take a long time to regenerate if Onshape seems slow.



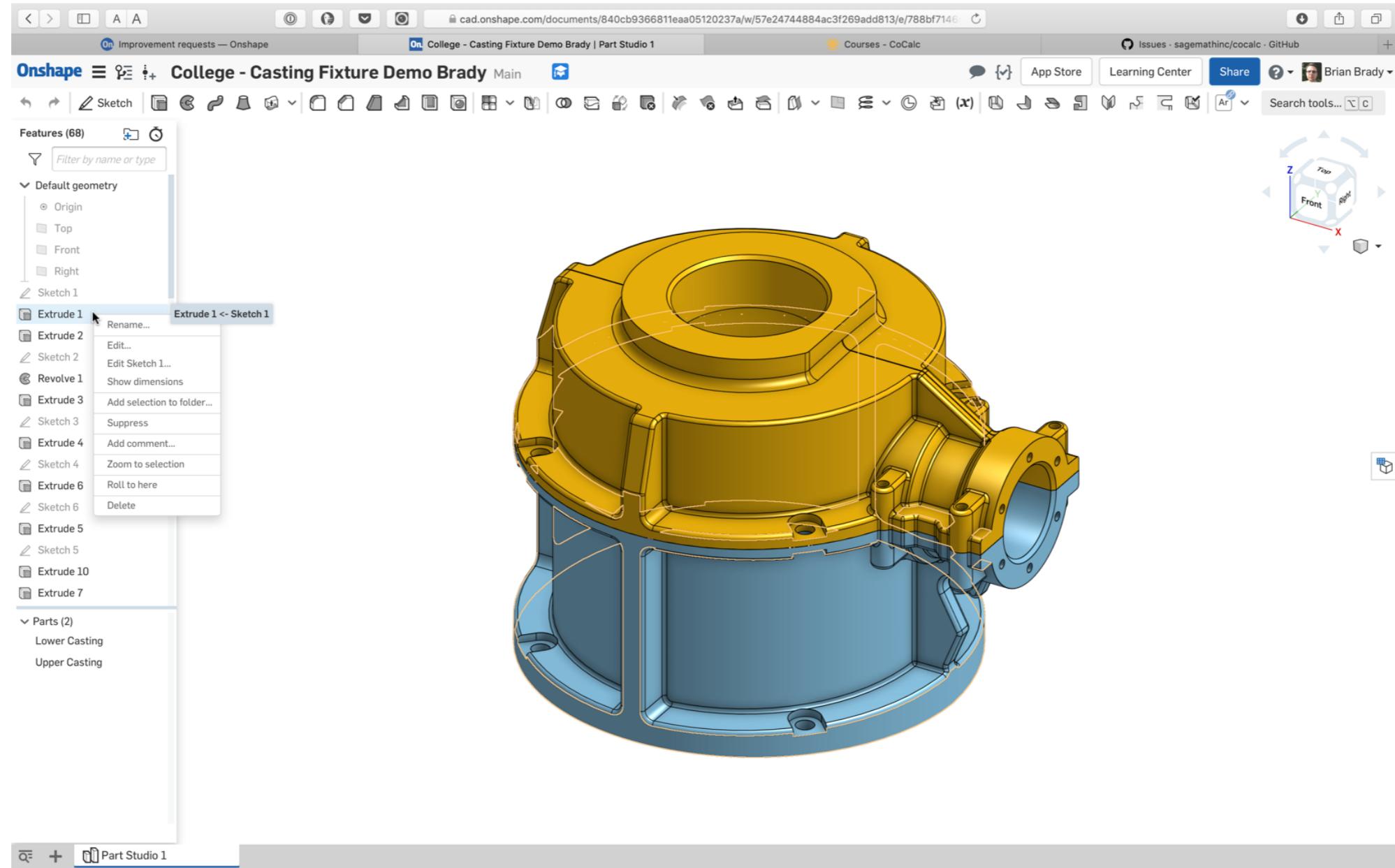
The Modeling Interface

The add (+) menu. Use this to add tabs of various types to the document. The two most common are Part Studios and Assemblies.



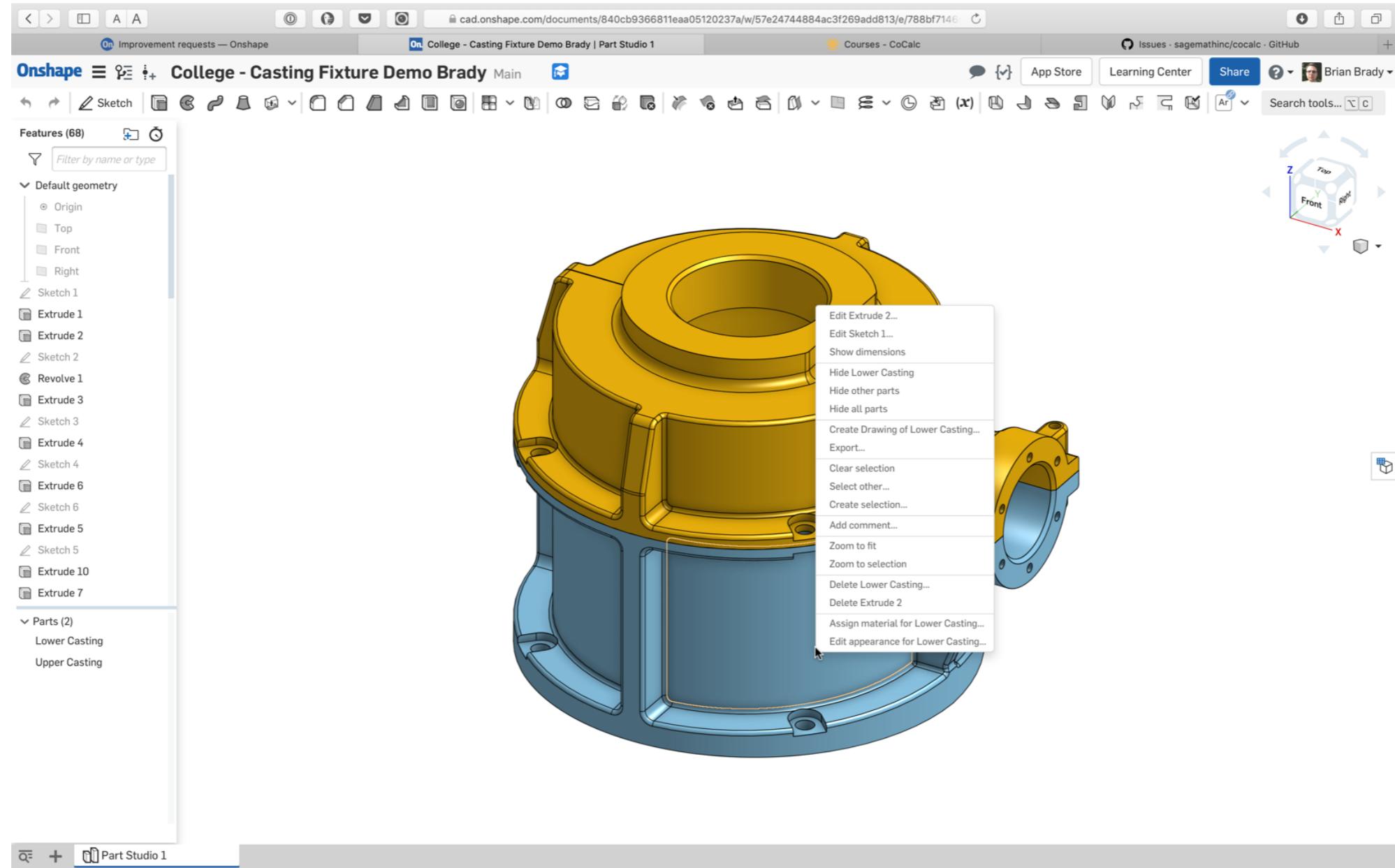
The Modeling Interface

Right-click in the white space to get this pop-up menu. As a warning, the “show all” selection shows all parts as well as sketches, planes, and other features.



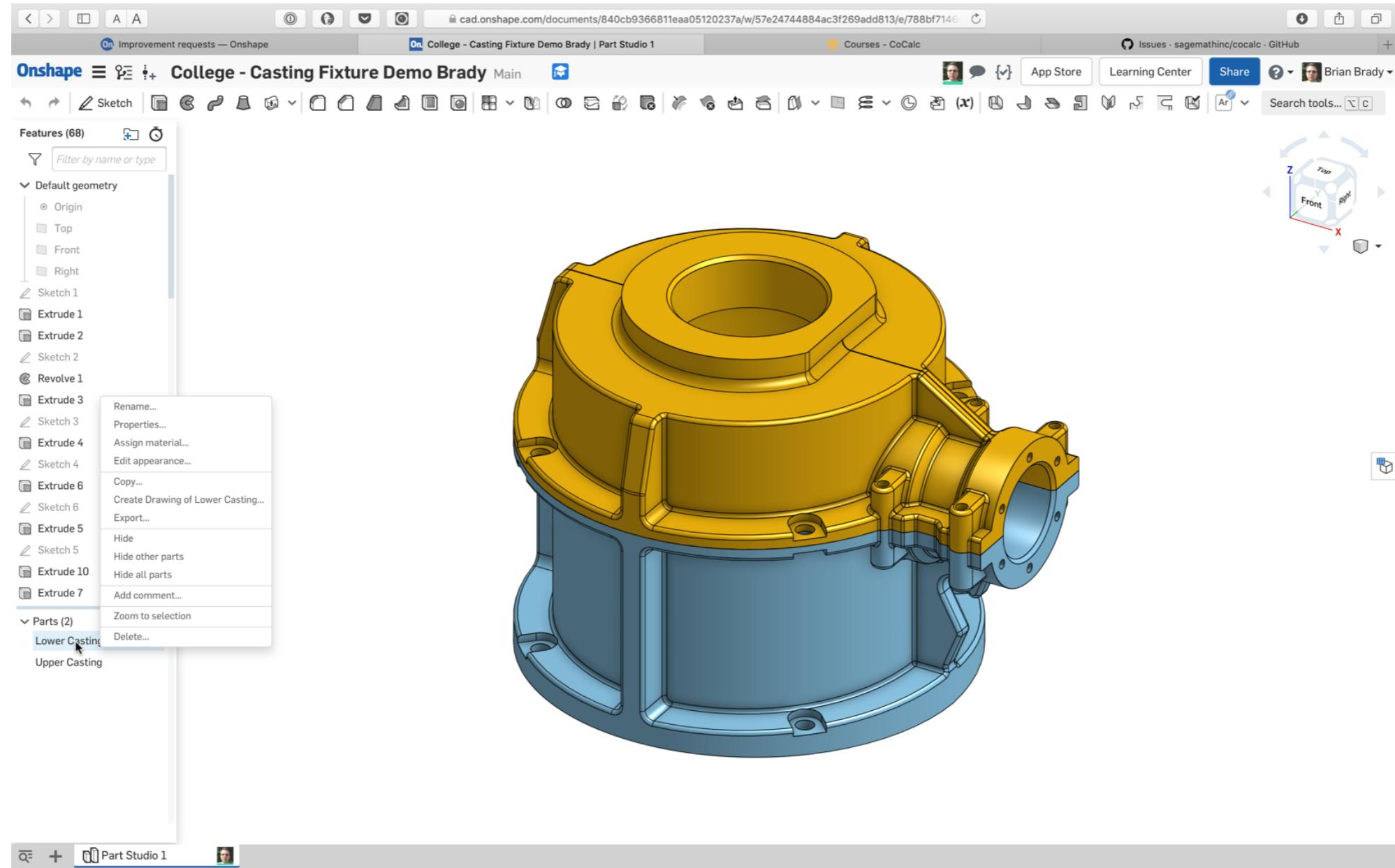
The Modeling Interface

Right-click on a solid feature like an extrude in the feature list and you will get this menu. “Edit...” allows you to edit the parameters for the feature, not the sketch itself.



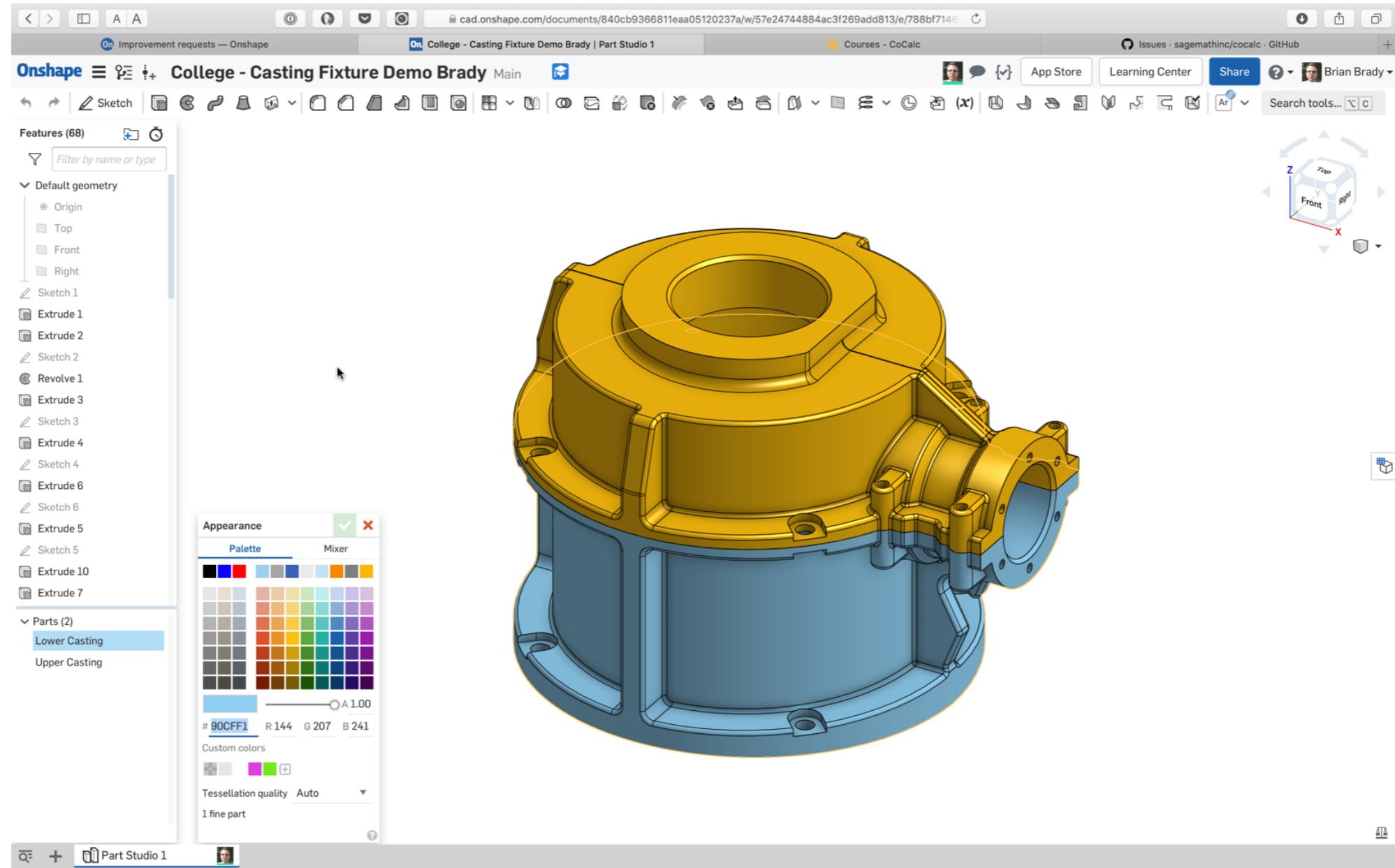
The Modeling Interface

Right-click on a part and get a different menu with similar choices as when right-clicking on a solid feature in the feature list.



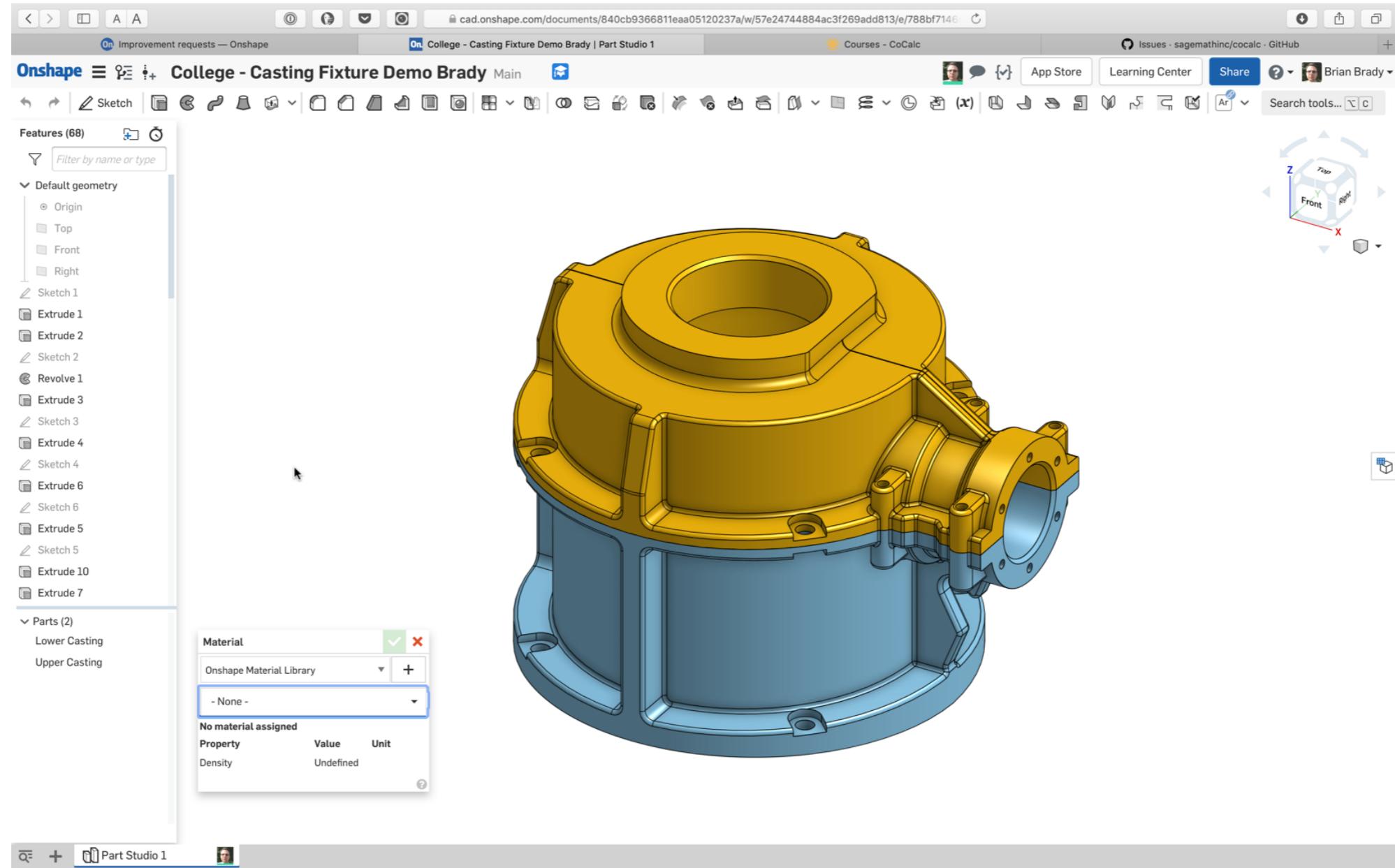
The Modeling Interface

Right-clicking on a part allows you to do part specific actions like changing the appearance or material. You can also hide/show all parts, other parts, or the selected part depending upon if the part is already visible or hidden. There is also a selection to create a 2D drawing of the selected part.



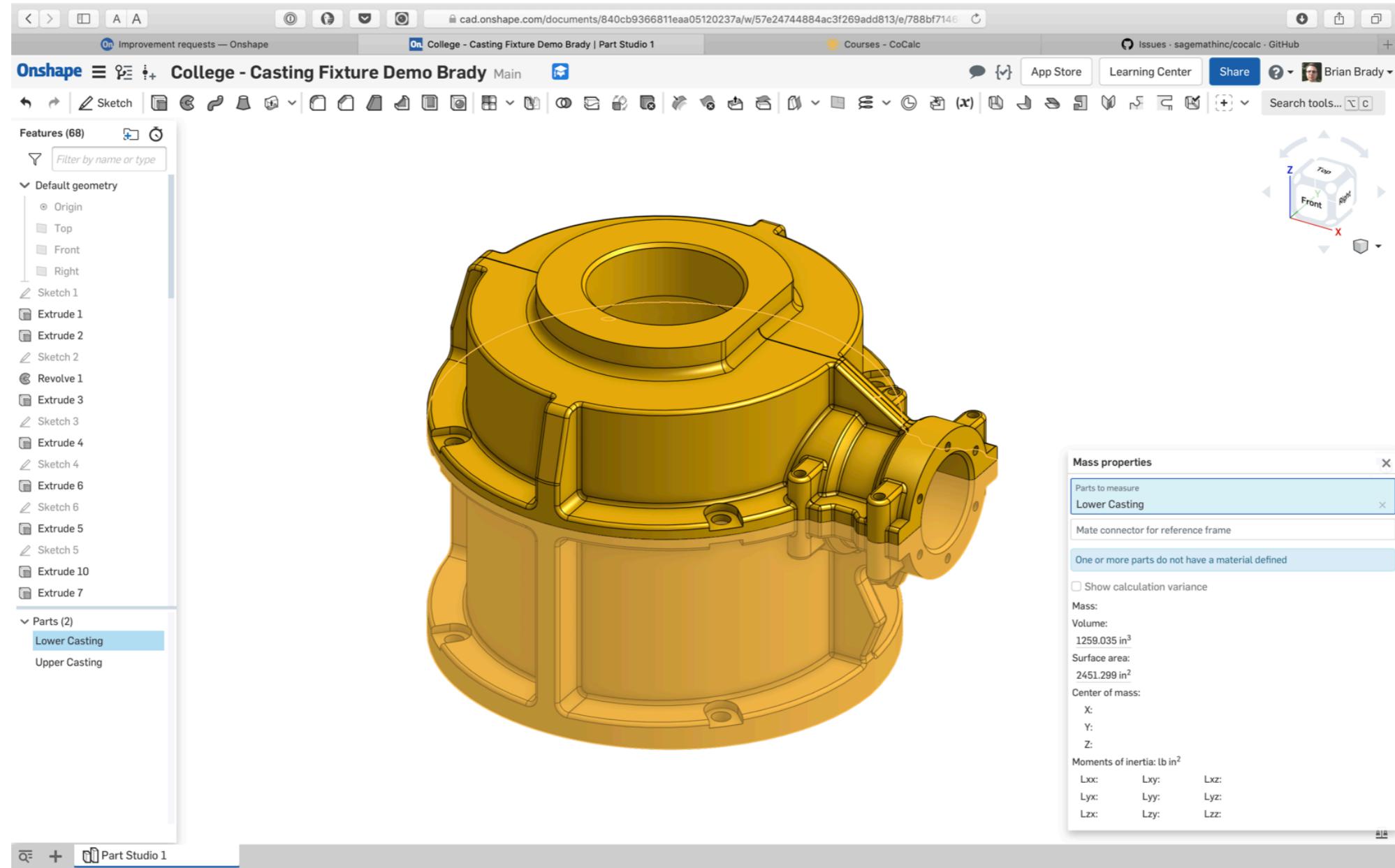
The Modeling Interface

The part appearance panel allows you to change part colors and transparency.



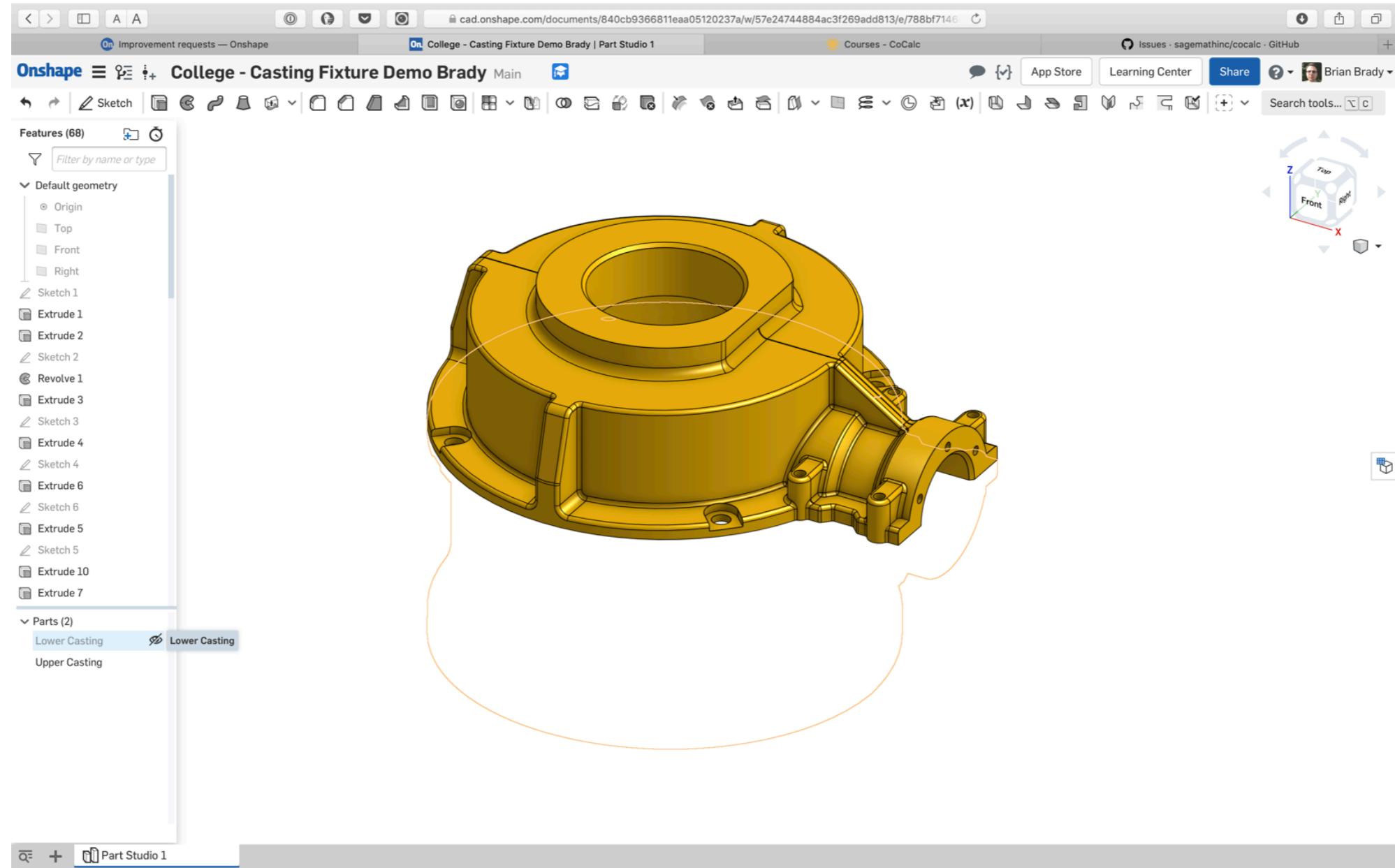
The Modeling Interface

The material assignment panel is used to select from a long list of standard materials. You can only get mass values for a part if a material is selected.



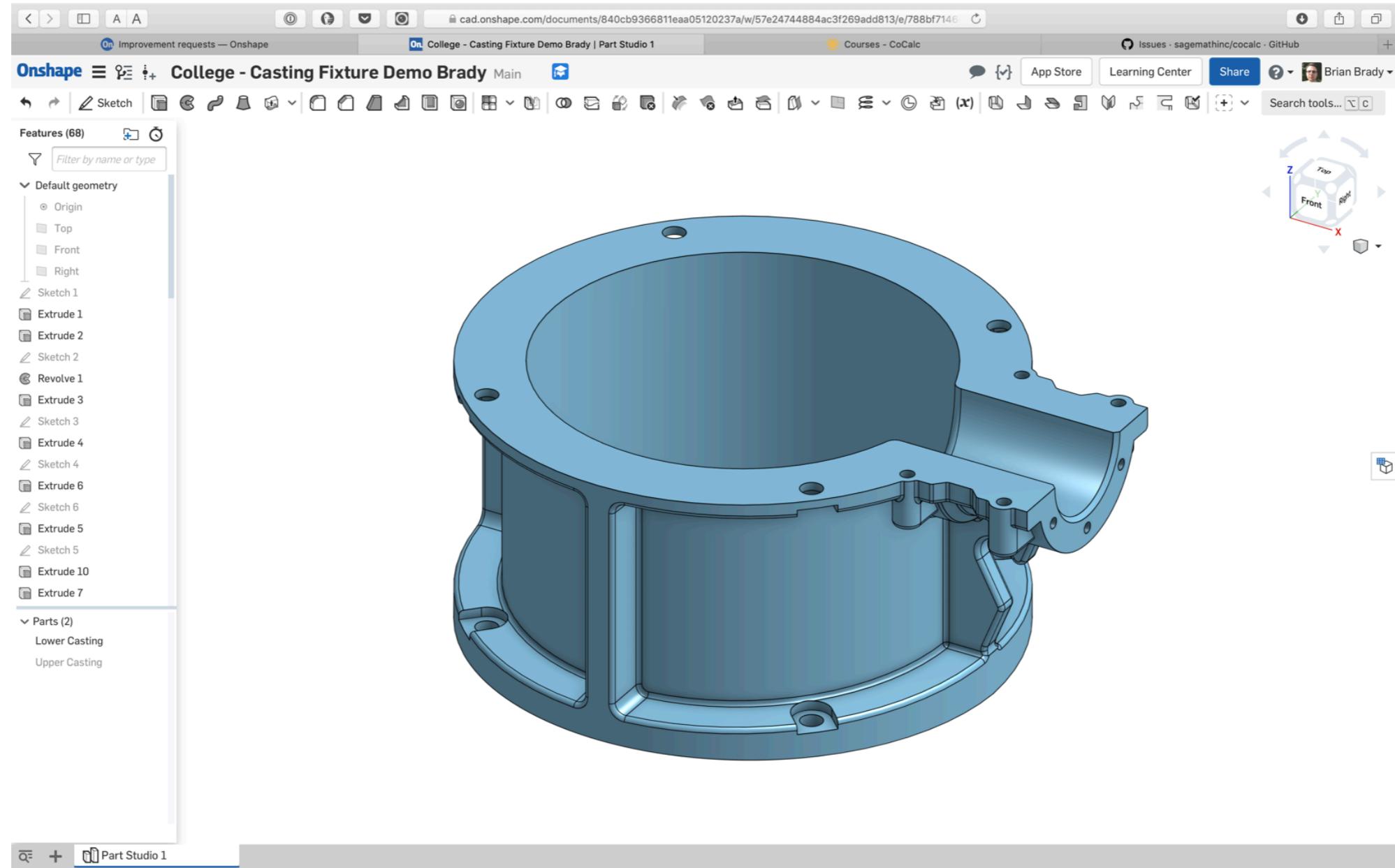
The Modeling Interface

Click on a part (or parts) then click on the mass properties icon (the little balance beam scale in the lower, right corner) to get volume, mass, and other part specific properties.



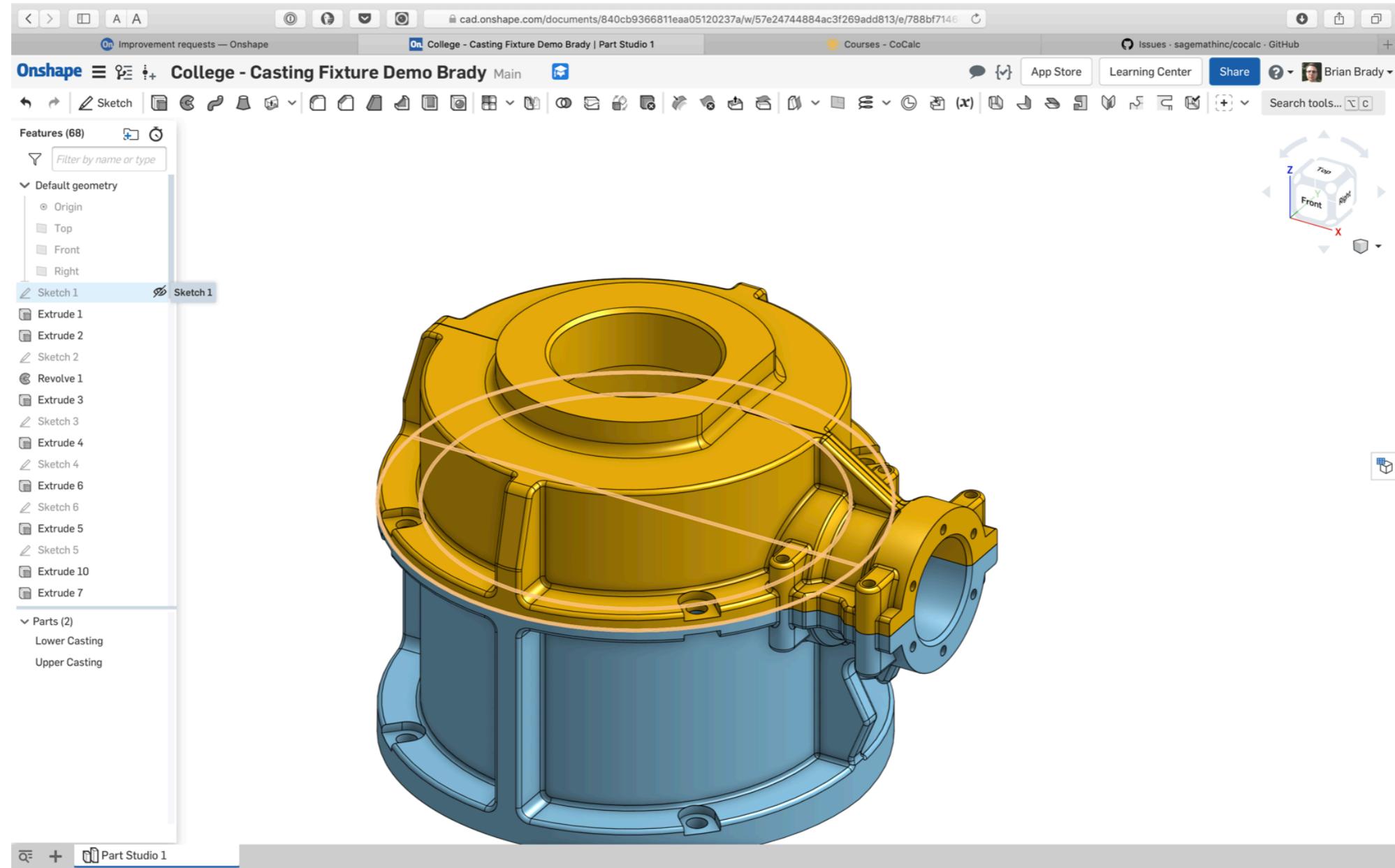
The Modeling Interface

Click on the eye icon next to a part to hide it. Click it again to show it.



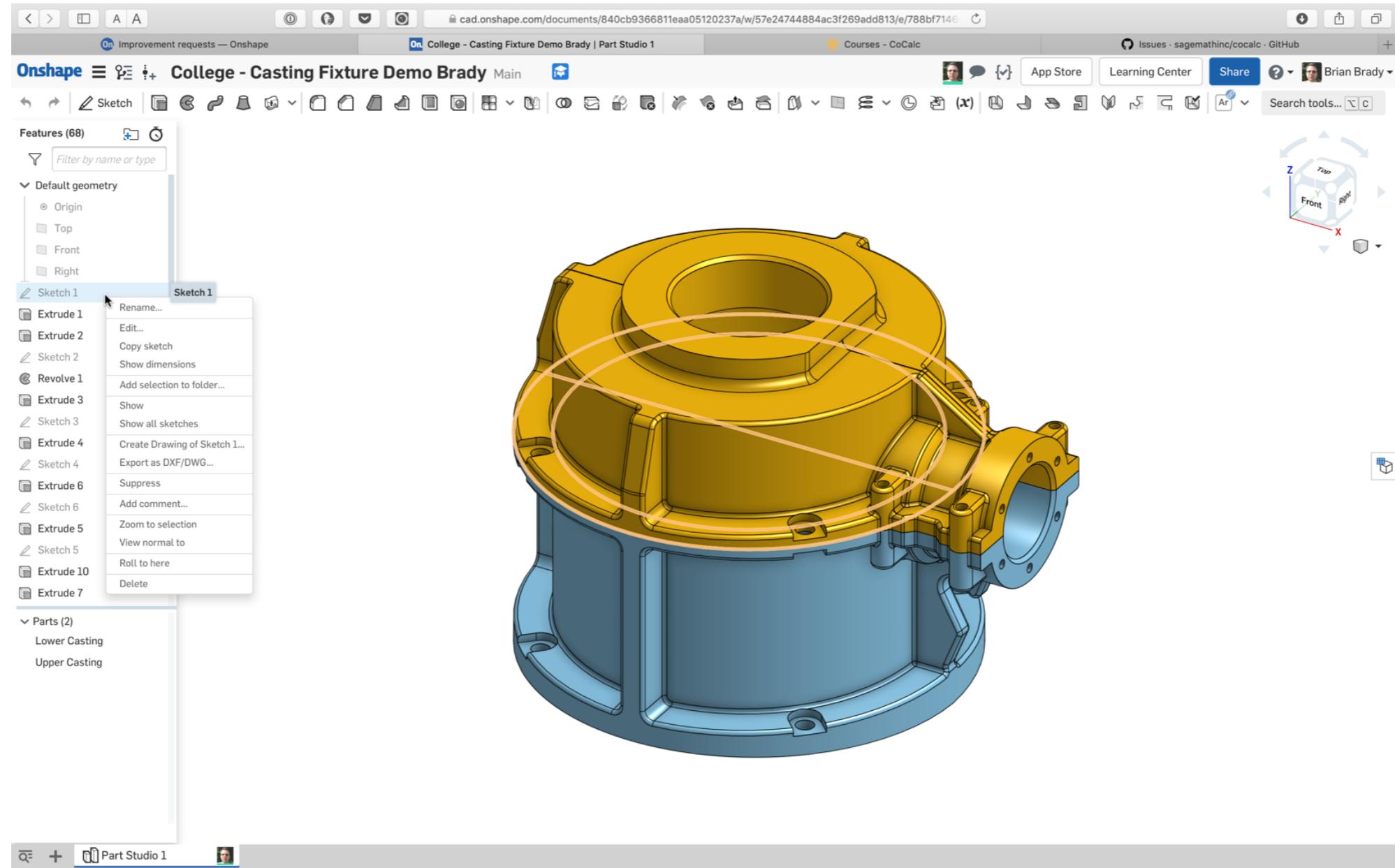
The Modeling Interface

One of the two parts (Upper Casting) is hidden. Notice the text is grey instead of black.



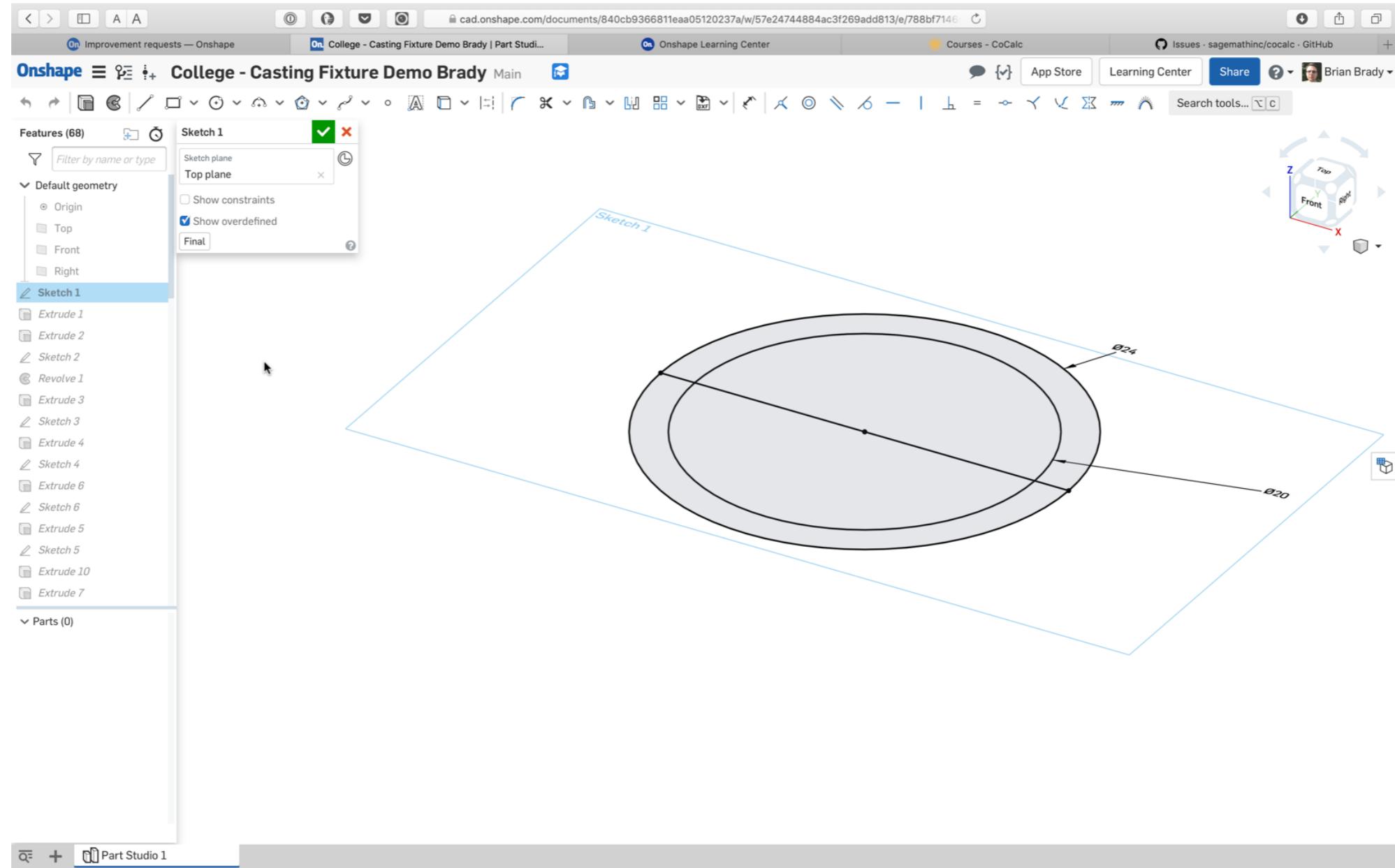
The Modeling Interface

You can hide or show any sketch by clicking on the eye icon next to its name.



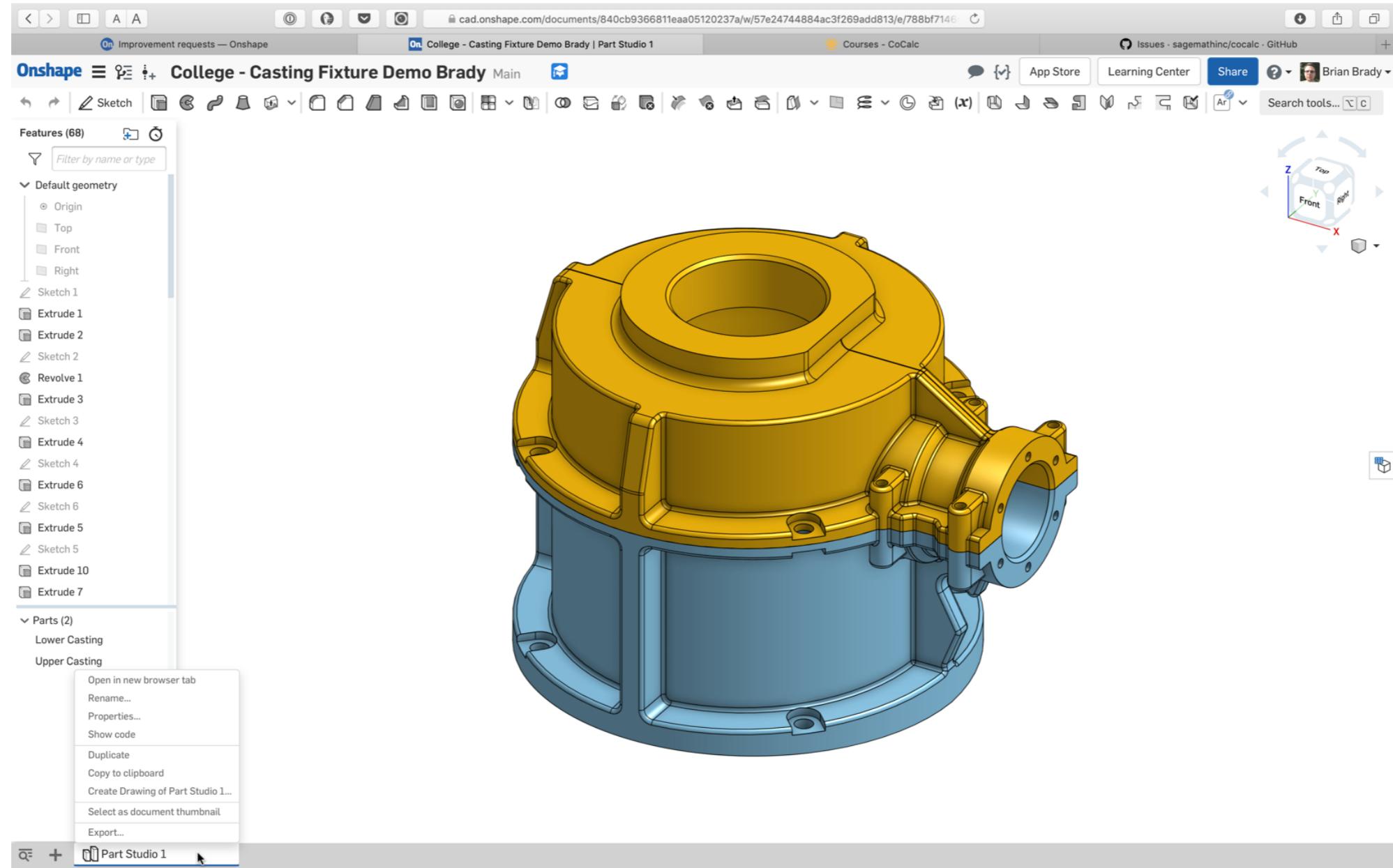
The Modeling Interface

Right-clicking on a sketch in the feature list reveals sketch specific tasks. Show dimensions will keep you in the modeling interface and add the dimensions from that sketch in the view. You can only show dimensions from one sketch at a time.



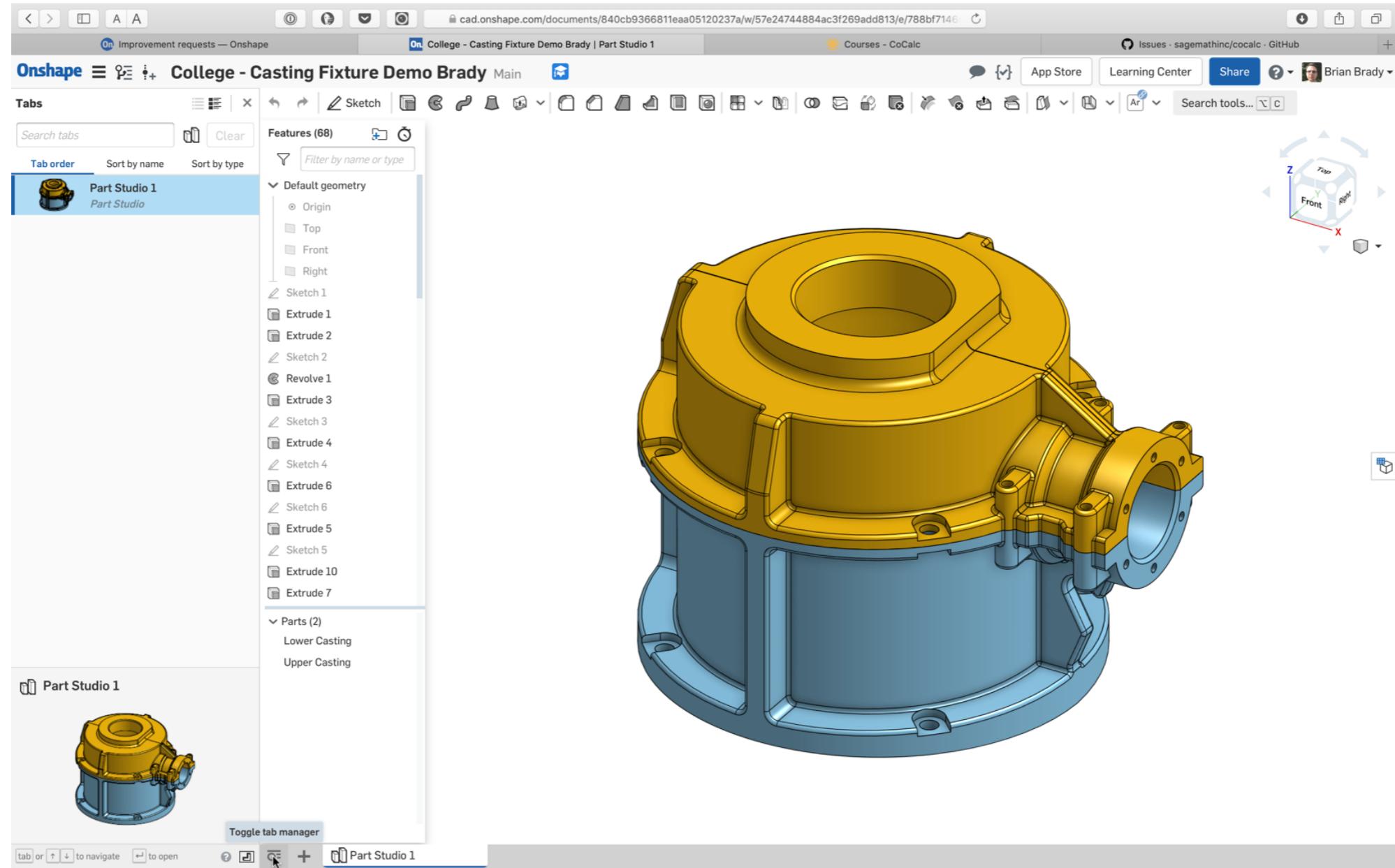
The Sketching Interface

Selecting “Edit...” from the right-click menu for sketches will take you into the sketch interface where you can actually edit or add to an existing sketch.



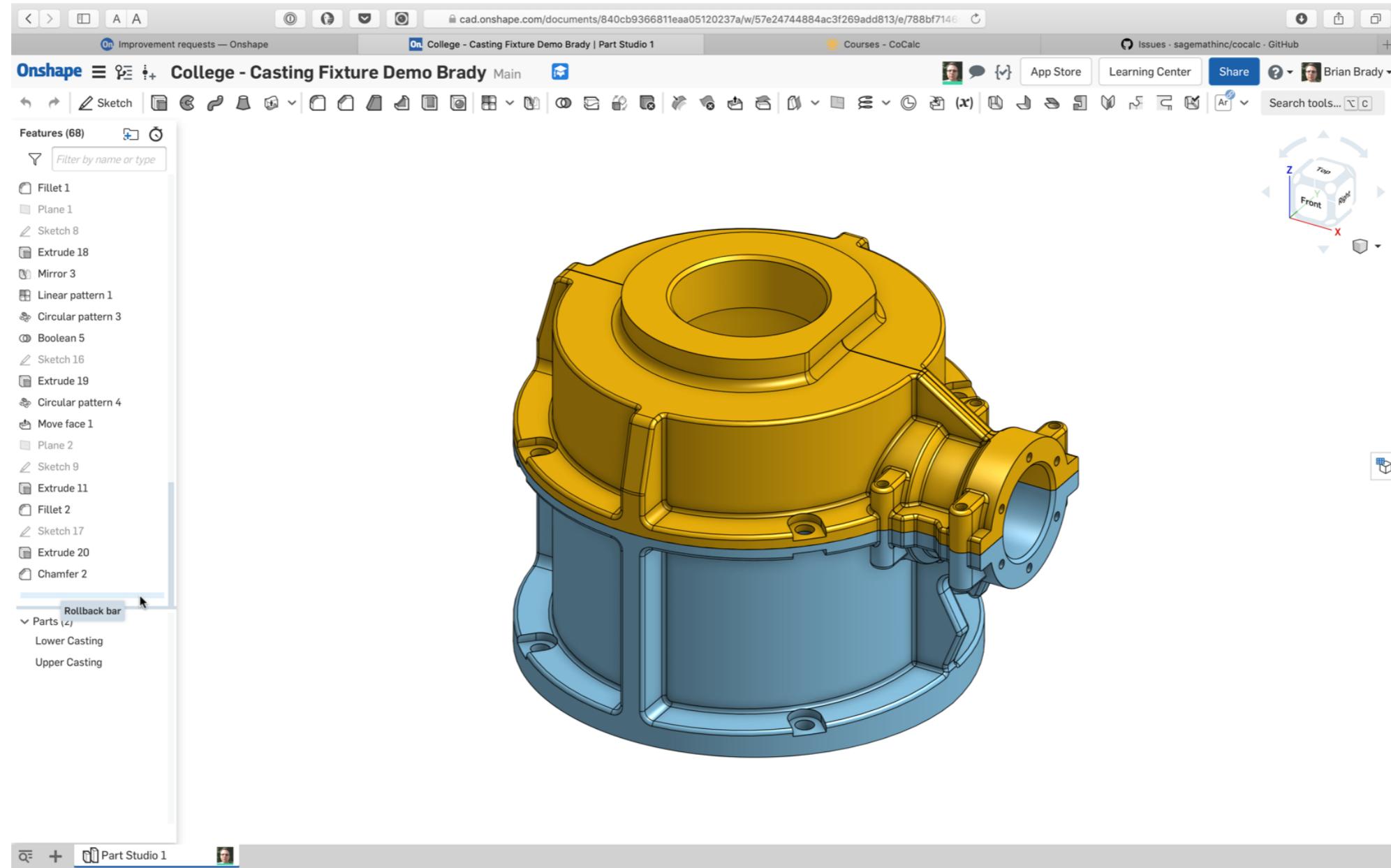
The Modeling Interface

Right-click menu on a Part Studio tab to rename, duplicate, or create a drawing of it among other tasks.



The Modeling Interface

Toggling the tab manager will give you a different view of all tabs in the document. Double-click on an item in the panel to jump to that tab. You can easily rearrange them here or create folders to group tabs together. Clicking on the toggle icon a second time will close the panel.



The Modeling Interface

The rollback bar can be used to change when/where you are in the feature list. This allows you to add features at specific times in the design process.