Better language support

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KTH Royal Institute of Technology would like to have both Swedish and English used as parallel languages with the university.

One issue that was already addressed in e-mail to Martin Löfgren was using the KTH profile information about language preference to set the user's default UI language in Canvas when the student is first added to Canvas. This involves one call to the KTH profile API and an additional parameter to the Canvas API call that creates the user. This is described in Section

# Initial setting of Canvas UI language

Many students are having a problem when they first use Canvas, as the UI language that they face is Swedish by default (as someone set this as Canvas' system default language). However, the large numbers of Master's students that come to KTH do not know Swedish - so as a teacher I either have to:

1. set the course language to English (as this overrides the system default) [but then the student cannot change the language of the UI in the course to use their choice of language] or
2. provide information (via the front page of the course) to the students on how to use the Swedish language UI to change the language to their choice of language.

As the user's preferred language is set in their KTH profile, perhaps the script that E-lärande uses to create a user in Canvas (it does a POST /api/v1/accounts/:account\_id/users) could also set their language using the information from their profile (the KTH profile API has an endpoint /v1/default\_language/{username}), this would avoid a lot of problems for many people. This would only involve adding one additional parameter to the call to the Canvas API (user[locale]).

The instructions to new users when they get their KTH account should suggest that they edit their KTH profile to set their default language. It also means a small change to the description of what it means to select the user's default language in the Swagger documentation.

# Changing UI language

By default KTH’s Canvas has Swedish set as the user interface language

You can change this:

* Konto ≡ Account
* Inställningar ≡ Settings
* Redigera inställningar ≡ Edit settings
* Språk ≡ Language ---- choose the language you want

From Cymraeg, Dansk, Deutsch, English (Australia), English (Canada), English (United Kingdom), English (US), Español, Français, to فارسی, ,한국말, 日本語, 简体中文, 繁體中文.

* Uppdatera inställningar ≡ Update settings

# Language settings in a Canvas web page

Figure 3 shows the value of the ENV variable in the Javascript for the web page: <https://kth.instructure.com/courses/11> (node that part of the “body” has been omitted).

|  |
| --- |
| ENV = {"ASSET\_HOST":"https://du11hjcvx0uqb.cloudfront.net/br",  "active\_brand\_config\_json\_url":"https://du11hjcvx0uqb.cloudfront.net/br/dist/brandable\_css/21e433c3ceacfa94cfdb66c160f90fce/variables-8391c84da435c9cfceea2b2b3317ff66.json",  "url\_to\_what\_gets\_loaded\_inside\_the\_tinymce\_editor\_css":["https://du11hjcvx0uqb.cloudfront.net/br/dist/brandable\_css/21e433c3ceacfa94cfdb66c160f90fce/variables-8391c84da435c9cfceea2b2b3317ff66.css", "https://du11hjcvx0uqb.cloudfront.net/br/dist/brandable\_css/responsive\_layout\_normal\_contrast/bundles/what\_gets\_loaded\_inside\_the\_tinymce\_editor-a6c8337318.css"],  "url\_for\_high\_contrast\_tinymce\_editor\_css":["https://du11hjcvx0uqb.cloudfront.net/br/dist/brandable\_css/default/variables-high\_contrast-8391c84da435c9cfceea2b2b3317ff66.css", "https://du11hjcvx0uqb.cloudfront.net/br/dist/brandable\_css/responsive\_layout\_high\_contrast/bundles/what\_gets\_loaded\_inside\_the\_tinymce\_editor-a32bc07a6c.css"],  "current\_user\_id":"29",  "current\_user\_roles":["user", "student", "teacher", "admin"],  "current\_user\_types":["School admin", "School admin", "School admin", "School admin", "KTH Admin", "School admin", "School admin", "School admin", "School admin", "School admin", "School admin", "School admin", "School admin", "School admin", "School admin", "School admin"],  "current\_user\_disabled\_inbox":false,  "files\_domain":"cluster15.canvas-user-content.com",  "DOMAIN\_ROOT\_ACCOUNT\_ID":"87790000000000001",  "k12":false,  "use\_responsive\_layout":true,  "use\_rce\_enhancements":false,  "rce\_auto\_save":false,  "help\_link\_name":"Help",  "help\_link\_icon":"help",  "use\_high\_contrast":false,  "disable\_celebrations":false,  "disable\_keyboard\_shortcuts":false,  "LTI\_LAUNCH\_FRAME\_ALLOWANCES":["geolocation \*","microphone \*","camera \*","midi \*","encrypted-media \*","autoplay \*"],  "DEEP\_LINKING\_POST\_MESSAGE\_ORIGIN":"https://kth.instructure.com",  "DEEP\_LINKING\_LOGGING":null,  "SETTINGS":{"open\_registration":false,  "collapse\_global\_nav":true,  "show\_feedback\_link":true},  "DIRECT\_SHARE\_ENABLED":true,  "FEATURES":{"cc\_in\_rce\_video\_tray":true,  "featured\_help\_links":true,  "rce\_lti\_favorites":true,  "assignment\_bulk\_edit":true,  "responsive\_awareness":true,  "recent\_history":false,  "responsive\_misc":true,  "product\_tours":false,  "module\_dnd":true,  "files\_dnd":true,  "unpublished\_courses":true,  "bulk\_delete\_pages":true,  "canvas\_k6\_theme":false},  "current\_user":{"id":"29", "display\_name":"Gerald Quentin Maguire Jr", "avatar\_image\_url":"https://secure.gravatar.com/avatar/52e6e0ae2260166c91cd528ba0c72263?s=50\u0026d=http%3A%2F%2Fpeople.kth.se%2F%7Emaguire%2Fmaguire-march-2004-sq.jpg", "html\_url":"https://kth.instructure.com/about/29", "pronouns":null,"avatar\_is\_fallback":false},  "page\_view\_update\_url":"/page\_views/b7681e10-aa1d-485b-a649-eee80c1b7b8e?page\_view\_token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpIjoiYjc2ODFlMTAtYWExZC00ODViLWE2NDktZWVlODBjMWI3YjhlIiwidSI6ODc3OTAwMDAwMDAwMDAwMjksImMiOiIyMDIwLTA5LTI3VDEyOjUwOjQ1Ljc5WiJ9.9lfZp7ndUs1R457GPtKFlPrs0VvPA75IJy8-mZFavmk",  "context\_asset\_string":"course\_11",  "ping\_url":"https://kth.instructure.com/api/v1/courses/11/ping",  "TIMEZONE":"Europe/Stockholm",  "CONTEXT\_TIMEZONE":"Europe/Stockholm",  "LOCALE":"en",  "BIGEASY\_LOCALE":"en\_US",  "FULLCALENDAR\_LOCALE":"en",  "MOMENT\_LOCALE":"en",  "INCOMPLETE\_REGISTRATION":null,  "USER\_EMAIL":"maguire@kth.se",  "badge\_counts":{"submissions":0},  "NEW\_USER\_TUTORIALS":{"is\_enabled":false},  "COURSE":{"id":"11",  "pages\_url":"https://kth.instructure.com/courses/11/pages",  "front\_page\_title":"Introduction to Chip's sandbox",  "default\_view":"wiki",  "is\_student":false,  "is\_instructor":true},  "WIKI\_RIGHTS":{"read":true,  "view\_unpublished\_items":true,  "create\_page":true,  "update\_page":true,  "delete\_page":true,  "update":true,  "publish\_page":true},  "PAGE\_RIGHTS":{"read":true,"update\_content":true,"read\_revisions":true,"create":true,"update":true,"delete":true},"DEFAULT\_EDITING\_ROLES":"teachers",  "WIKI\_PAGES\_PATH":"/courses/11/pages",  "COURSE\_HOME":true,  "COURSE\_TITLE":"Chip sandbox",  "WIKI\_PAGE":{"title":"Introduction to Chip's sandbox",  "created\_at":"2016-11-27T14:32:24+01:00",  "url":"introduction-to-chips-sandbox",  "editing\_roles":"teachers",  "page\_id":"6354",  "last\_edited\_by":{"id":"29",  "display\_name":"Gerald Quentin Maguire Jr",  "avatar\_image\_url":"https://secure.gravatar.com/avatar/52e6e0ae2260166c91cd528ba0c72263?s=50\u0026d=http%3A%2F%2Fpeople.kth.se%2F%7Emaguire%2Fmaguire-march-2004-sq.jpg",  "html\_url":"https://kth.instructure.com/courses/11/users/29",  "pronouns":null},  "published":true,  "hide\_from\_students":false,  "front\_page":true,  "html\_url":"https://kth.instructure.com/courses/11/pages/introduction-to-chips-sandbox",  "todo\_date":null,  "updated\_at":"2020-07-31T12:18:45+02:00",  "locked\_for\_user":false,  "body":"\u003cp\u003eThe contents of this sandbox are  …  [with examples for Windows 10 and Linux]\u003c/span\u003e\u003c/li\u003e\r\n\u003c/ul\u003e"},  "WIKI\_PAGE\_REVISION":"20",  "WIKI\_PAGE\_SHOW\_PATH":"/courses/11/pages/introduction-to-chips-sandbox",  "WIKI\_PAGE\_EDIT\_PATH":"/courses/11/pages/introduction-to-chips-sandbox/edit",  "WIKI\_PAGE\_HISTORY\_PATH":"/courses/11/pages/introduction-to-chips-sandbox/revisions",  "COURSE\_ID":"11",  "MODULES\_PATH":"/courses/11/modules",  "notices":[],  "active\_context\_tab":"home"}; |

Figure 1: ENV variable in the Javascript for the web page: <https://kth.instructure.com/courses/11> (formatted for improved readability)

Figure 2 shows part of the ENV variable shown in Figure 1 focusing on the timezone and locale.

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| --- |
| "TIMEZONE":"Europe/Stockholm",  "CONTEXT\_TIMEZONE":"Europe/Stockholm",  "LOCALE":"en",  "BIGEASY\_LOCALE":"en\_US",  "FULLCALENDAR\_LOCALE":"en",  "MOMENT\_LOCALE":"en", |

Figure 2: Part of the ENV variable shown in Figure 1

Figure 3 shows the Canvas source code that sets the values shown in Figure 2 in the Javascript ENV variable for a page. We will refer to these as environment variables in the rest of this text.

|  |
| --- |
| @js\_env[:TIMEZONE] = Time.zone.tzinfo.identifier if !@js\_env[:TIMEZONE]  @js\_env[:CONTEXT\_TIMEZONE] = @context.time\_zone.tzinfo.identifier if !@js\_env[:CONTEXT\_TIMEZONE] && @context.respond\_to?(:time\_zone) && @context.time\_zone.present?  unless @js\_env[:LOCALE]  I18n.set\_locale\_with\_localizer  @js\_env[:LOCALE] = I18n.locale.to\_s  @js\_env[:BIGEASY\_LOCALE] = I18n.bigeasy\_locale  @js\_env[:FULLCALENDAR\_LOCALE] = I18n.fullcalendar\_locale  @js\_env[:MOMENT\_LOCALE] = I18n.moment\_locale  end  @js\_env[:lolcalize] = true if ENV['LOLCALIZE'] |

Figure 3: Code in Canvas’ app/controllers/application\_controller.rb that sets the values of the Javascript ENV variable.

What do these environment variables? Table 1 gives a brief description of each of them (note that part of the understanding of these is derived from the comment of Simon Williams (simonista) on 20 June 2018 in <https://github.com/instructure/canvas-lms/issues/1314> ).

Table : Description of the variables

|  |  |
| --- | --- |
| "LOCALE":"en" | This is the language used by **i18n** functions to translated values to the language of the current locale. |
| "BIGEASY\_LOCALE":"en\_US" | This locale information is used to dealing with timezones, see: <https://github.com/bigeasy/timezone> |
| "FULLCALENDAR\_LOCALE":"en" | Used in app/coffeescripts/calendar/ CalendarDefaults.js to set the lang value used for timeFormat and columnFormat in the calendar |
| "MOMENT\_LOCALE":"en" | This locale information is used with <https://momentjs.com/> for dealing with dates and times |

# The global navigation menu

Figure 4 shows the global navigation menu, Figure 5 shows the expand global navigation button that results in the menu with icons and text as shown in Figure 6. Figure 7 shows the underlying HTML corresponding to this menu.

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Figure : Global navigation menu

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|  |

Figure : Expand global navigation menu

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|  |

Figure : Expanded global navigation menu

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| --- |
| <ul id="menu" class="ic-app-header\_\_menu-list">  <li class="menu-item ic-app-header\_\_menu-list-item ">  <a id="global\_nav\_profile\_link" role="button" href="/profile" class="ic-app-header\_\_menu-list-link">  <div class="menu-item-icon-container">  <div aria-hidden="true" class="fs-exclude ic-avatar ">  <img src="https://secure.gravatar.com/avatar/52e6e0ae2260166c91cd528ba0c72263?s=50&amp;d=http%3A%2F%2Fpeople.kth.se%2F%7Emaguire%2Fmaguire-march-2004-sq.jpg" alt="Gerald Quentin Maguire Jr">  </div>  <span class="menu-item\_\_badge"></span>  </div>  <div class="menu-item\_\_text">  Account  </div>  </a>  </li>  <li class="menu-item ic-app-header\_\_menu-list-item ">  <a id="global\_nav\_accounts\_link" role="button" href="/accounts" class="ic-app-header\_\_menu-list-link">  <div class="menu-item-icon-container" aria-hidden="true">  <svg xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" version="1.1" class="ic-icon-svg ic-icon-svg--accounts" x="0" y="0" viewBox="0 0 200 224" enable-background="new 0 0 200 224" xml:space="preserve"><path d="M87,83.47a9.53,9.53,0,1,1-9.53-9.53A9.53,9.53,0,0,1,87,83.47m35.26,62.28h17.29V128.45l-40-40,.44-4.19c.11-13.94-10.3-24.37-23.1-24.37a23.22,23.22,0,0,0,0,46.44l5.31-.6,7.18,7.17h16.86V126h13.14V142.9Zm30,12.71H117l-10.3-10.29v-9.43H93.57V125.59H84.16L77.58,119h-.65a35.93,35.93,0,1,1,35.92-35.92c0,.22,0,.43,0,.64l39.44,39.45ZM99.72,220.06a6.46,6.46,0,0,1-3-.78l-3.93-2.13c-34.84-18.92-82.55-44.81-82.55-99.89V49.59a6.37,6.37,0,0,1,3.65-5.76L97,4.66a6.28,6.28,0,0,1,5.4,0L185.6,43.83a6.37,6.37,0,0,1,3.65,5.76v67.67c0,55.08-47.72,81-82.55,99.89l-3.93,2.13A6.47,6.47,0,0,1,99.72,220.06ZM22.91,53.62v63.64c0,47.52,42.09,70.37,75.9,88.73l.9.48.91-.48c33.81-18.36,75.9-41.21,75.9-88.73V53.62L99.72,17.43Z"></path></svg>  </div>  <div class="menu-item\_\_text">  Admin  </div>  </a>  </li>  <li class="ic-app-header\_\_menu-list-item ">  <a id="global\_nav\_dashboard\_link" href="https://kth.instructure.com/" class="ic-app-header\_\_menu-list-link">  <div class="menu-item-icon-container" aria-hidden="true">  <svg xmlns="http://www.w3.org/2000/svg" class="ic-icon-svg ic-icon-svg--dashboard" version="1.1" x="0" y="0" viewBox="0 0 280 200" enable-background="new 0 0 280 200" xml:space="preserve"><path d="M273.09,180.75H197.47V164.47h62.62A122.16,122.16,0,1,0,17.85,142a124,124,0,0,0,2,22.51H90.18v16.29H6.89l-1.5-6.22A138.51,138.51,0,0,1,1.57,142C1.57,65.64,63.67,3.53,140,3.53S278.43,65.64,278.43,142a137.67,137.67,0,0,1-3.84,32.57ZM66.49,87.63,50.24,71.38,61.75,59.86,78,76.12Zm147,0L202,76.12l16.25-16.25,11.51,11.51ZM131.85,53.82v-23h16.29v23Zm15.63,142.3a31.71,31.71,0,0,1-28-16.81c-6.4-12.08-15.73-72.29-17.54-84.25a8.15,8.15,0,0,1,13.58-7.2c8.88,8.21,53.48,49.72,59.88,61.81a31.61,31.61,0,0,1-27.9,46.45ZM121.81,116.2c4.17,24.56,9.23,50.21,12,55.49A15.35,15.35,0,1,0,161,157.3C158.18,152,139.79,133.44,121.81,116.2Z"></path></svg>  </div>  <div class="menu-item\_\_text">Dashboard</div>  </a>  </li>  <li class="menu-item ic-app-header\_\_menu-list-item ic-app-header\_\_menu-list-item--active">  <a id="global\_nav\_courses\_link" role="button" href="/courses" class="ic-app-header\_\_menu-list-link">  <div class="menu-item-icon-container" aria-hidden="true">  <svg xmlns="http://www.w3.org/2000/svg" class="ic-icon-svg ic-icon-svg--courses" version="1.1" x="0" y="0" viewBox="0 0 280 259" enable-background="new 0 0 280 259" xml:space="preserve"><path d="M73.31,198c-11.93,0-22.22,8-24,18.73a26.67,26.67,0,0,0-.3,3.63v.3a22,22,0,0,0,5.44,14.65,22.47,22.47,0,0,0,17.22,8H200V228.19h-134V213.08H200V198Zm21-105.74h90.64V62H94.3ZM79.19,107.34V46.92H200v60.42Zm7.55,30.21V122.45H192.49v15.11ZM71.65,16.71A22.72,22.72,0,0,0,49,39.36V190.88a41.12,41.12,0,0,1,24.32-8h157V16.71ZM33.88,39.36A37.78,37.78,0,0,1,71.65,1.6H245.36V198H215.15v45.32h22.66V258.4H71.65a37.85,37.85,0,0,1-37.76-37.76Z"></path></svg>  </div>  <div class="menu-item\_\_text">  Courses  </div>  </a>  </li>  <li class="menu-item ic-app-header\_\_menu-list-item ">  <a id="global\_nav\_calendar\_link" href="/calendar" class="ic-app-header\_\_menu-list-link">  <div class="menu-item-icon-container" aria-hidden="true">  <svg xmlns="http://www.w3.org/2000/svg" class="ic-icon-svg ic-icon-svg--calendar" version="1.1" x="0" y="0" viewBox="0 0 280 280" enable-background="new 0 0 280 280" xml:space="preserve"><path d="M197.07,213.38h16.31V197.07H197.07Zm-16.31,16.31V180.76h48.92v48.92Zm-48.92-16.31h16.31V197.07H131.85Zm-16.31,16.31V180.76h48.92v48.92ZM66.62,213.38H82.93V197.07H66.62ZM50.32,229.68V180.76H99.24v48.92Zm146.75-81.53h16.31V131.85H197.07Zm-16.31,16.31V115.54h48.92v48.92Zm-48.92-16.31h16.31V131.85H131.85Zm-16.31,16.31V115.54h48.92v48.92ZM66.62,148.15H82.93V131.85H66.62ZM50.32,164.46V115.54H99.24v48.92ZM34,262.29H246V82.93H34ZM246,66.62V42.16A8.17,8.17,0,0,0,237.84,34H213.38v8.15a8.15,8.15,0,1,1-16.31,0V34H82.93v8.15a8.15,8.15,0,0,1-16.31,0V34H42.16A8.17,8.17,0,0,0,34,42.16V66.62Zm-8.15-48.92a24.49,24.49,0,0,1,24.46,24.46V278.6H17.71V42.16A24.49,24.49,0,0,1,42.16,17.71H66.62V9.55a8.15,8.15,0,0,1,16.31,0v8.15H197.07V9.55a8.15,8.15,0,1,1,16.31,0v8.15Z"></path></svg>  </div>  <div class="menu-item\_\_text">  Calendar  </div>  </a>  </li>  <li class="menu-item ic-app-header\_\_menu-list-item ">  <a id="global\_nav\_conversations\_link" href="/conversations" class="ic-app-header\_\_menu-list-link">  <div class="menu-item-icon-container">  <span aria-hidden="true"><svg xmlns="http://www.w3.org/2000/svg" class="ic-icon-svg ic-icon-svg--inbox" version="1.1" x="0" y="0" viewBox="0 0 280 280" enable-background="new 0 0 280 280" xml:space="preserve"><path d="M91.72,120.75h96.56V104.65H91.72Zm0,48.28h80.47V152.94H91.72Zm0-96.56h80.47V56.37H91.72Zm160.94,34.88H228.52V10.78h-177v96.56H27.34A24.17,24.17,0,0,0,3.2,131.48V244.14a24.17,24.17,0,0,0,24.14,24.14H252.66a24.17,24.17,0,0,0,24.14-24.14V131.48A24.17,24.17,0,0,0,252.66,107.34Zm0,16.09a8.06,8.06,0,0,1,8,8v51.77l-32.19,19.31V123.44ZM67.58,203.91v-177H212.42v177ZM27.34,123.44H51.48v79.13L19.29,183.26V131.48A8.06,8.06,0,0,1,27.34,123.44ZM252.66,252.19H27.34a8.06,8.06,0,0,1-8-8V202l30,18H230.75l30-18v42.12A8.06,8.06,0,0,1,252.66,252.19Z"></path></svg>  </span>  <span class="menu-item\_\_badge"></span>  </div>  <div class="menu-item\_\_text">  Inbox  </div>  </a>  </li>    <li id="context\_external\_tool\_20\_menu\_item" class="globalNavExternalTool menu-item ic-app-header\_\_menu-list-item">  <a class="ic-app-header\_\_menu-list-link" href="/accounts/1/external\_tools/20?launch\_type=global\_navigation">  <svg version="1.1" class="ic-icon-svg ic-icon-svg--lti menu-item\_\_icon" xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" viewBox="0 0 64 64">  <path d="M9.4 32c0-7.8 6.5-14.3 14.4-14.3h11.7v-9.4h-11.8c-13.1 0-23.7 10.6-23.7 23.7s10.7 23.7 23.7 23.7h11.7v-9.4h-11.7c-7.9 0-14.3-6.5-14.3-14.3z m54.6 0l-19.1-17v11.3h-20.2c-3.1 0-5.6 2.5-5.6 5.6s2.5 5.6 5.6 5.7h20.2v11.2l19.1-16.8z"></path>  </svg>  <div class="menu-item\_\_text">  Commons  </div>  </a>  </li>  <li class="ic-app-header\_\_menu-list-item">  <a id="global\_nav\_help\_link" role="button" class="ic-app-header\_\_menu-list-link" data-track-category="help system" data-track-label="help button" href="http://help.instructure.com/">  <div class="menu-item-icon-container" role="presentation">  <svg xmlns="http://www.w3.org/2000/svg" class="ic-icon-svg menu-item\_\_icon svg-icon-help" version="1.1" x="0" y="0" viewBox="0 0 200 200" enable-background="new 0 0 200 200" xml:space="preserve" fill="currentColor"><path d="M100,127.88A11.15,11.15,0,1,0,111.16,139,11.16,11.16,0,0,0,100,127.88Zm8.82-88.08a33.19,33.19,0,0,1,23.5,23.5,33.54,33.54,0,0,1-24,41.23,3.4,3.4,0,0,0-2.74,3.15v9.06H94.42v-9.06a14.57,14.57,0,0,1,11.13-14,22.43,22.43,0,0,0,13.66-10.27,22.73,22.73,0,0,0,2.31-17.37A21.92,21.92,0,0,0,106,50.59a22.67,22.67,0,0,0-19.68,3.88,22.18,22.18,0,0,0-8.65,17.64H66.54a33.25,33.25,0,0,1,13-26.47A33.72,33.72,0,0,1,108.82,39.8ZM100,5.2A94.8,94.8,0,1,0,194.8,100,94.91,94.91,0,0,0,100,5.2m0,178.45A83.65,83.65,0,1,1,183.65,100,83.73,83.73,0,0,1,100,183.65" transform="translate(-5.2 -5.2)"></path></svg>  </div>  <div class="menu-item\_\_text">  Help  </div>  </a> </li>  </ul> |

Figure 7: Buttons in the global navigation menu

Figure 8 shows the division for the Global Navigation menu and the <UL> containing the menu items (these were shown above).

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| --- |
| <div role="region" class="ic-app-header\_\_main-navigation" aria-label="Global Navigation">  <div class="ic-app-header\_\_logomark-container">  <a href="https://kth.instructure.com/" class="ic-app-header\_\_logomark">  <span class="screenreader-only">Dashboard</span>  </a>  </div>  <ul id="menu" class="ic-app-header\_\_menu-list"> |

Figure 8: HTML for the global navigation menu is inside this division and class

# Viewing the current language in the global navigation menu

Figure 9 shows the global navigation menu in my Canvas instance running in a VM. To this menu we want to add a button labeled with the current language.

Figure 10 shows the code to do the addition of a button labeled with the current language. This code was inspired by the menu addition done by kenneth.larsen@usu.edu and presented again by mjennings in <https://community.canvaslms.com/t5/Question-Forum/Adding-custom-menu-items/m-p/55077>. The results are shown in Figure 11 (in this case the current LOCALE is “en”). The details of the added button are shown in Figure 12. Where the href of the link is "<http://www.kth.se>", the id of the link is "global\_nav\_locale", the icon is the small settings icon (id="global\_nav\_locale"), and the text below the icon is set from ENV.LOCALE. Note that clicking this link just takes you to the KTH main page. This is of course not the semantics that we want, so we will have to add some code to do something useful.

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Figure : Global navigation menu in my VM of Canvas

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| /\*\*  // @name augement navigation buttons  // @namespace https://github.com/gqmaguirejr/E-learning  // @author Gerald Q. Maguire Jr. <maguire@kth.se>  // @description Add a button labeled with the current language  \*\*/  (function() {  'use strict';  onPage(/\/courses/, function() {  addMenuItem("http://www.kth.se", 'icon-settings-2')  });  function onPage(regex, fn) {  if (location.pathname.match(regex)) fn();  }  function addMenuItem(linkhref, icon) {  var iconHtml = '',  itemHtml  if (icon !== '') {  // If it is a Canvas icon  if (icon.indexOf('icon') === 0) {  iconHtml = '<div class="menu-item-icon-container" role="presentation"><i class="' + icon + ' custom\_menu\_list\_icon"></i></div>';  // for an svg or other image  } else if (icon !== '') {  iconHtml = '<div class="menu-item-icon-container" role="presentation">' + icon + '</div>';  }  }  // Build item html  itemHtml = '<li class="ic-app-header\_\_menu-list-item ">' +  ' <a id="global\_nav\_locale" href="' + linkhref + '" class="ic-app-header\_\_menu-list-link">' + iconHtml +  ' <div class="menu-item\_\_text custom-menu-item\_\_text">' + ENV.LOCALE + '</div>' +  ' </a>' +  '</li>';  $('#menu').append(itemHtml);  }  })(); |

Figure 10: To add to the Global Navigation menu in Javascript

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|  |

Figure : After adding button

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| --- |
| <li class="ic-app-header\_\_menu-list-item ">  <a id="global\_nav\_locale" href="http://www.kth.se" class="ic-app-header\_\_menu-list-link"><div class="menu-item-icon-container" role="presentation"><i class="icon-settings-2 custom\_menu\_list\_icon"></i></div>  <div class="menu-item\_\_text custom-menu-item\_\_text">en</div>  </a></li> |

Figure : New button, i.e. new menu item