Kings Online Web Dev Task

My Solution

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Sample container

[Discussion forum](#)

ACTIVITY   COLLABORATIVE

[Assessment](#)

ASSESSED   MEDIA

Task container

[Welcome to Week 1](#)

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[Quiz activity](#)

[Week 1 summative assessment](#)

Sample container

Discussion forum

ACTIVITY   COLLABO

```html
<div class="sample-activity">
  <h3 class="sample-activity__name act-grp-nme"><a href="#">Discussion forum</a></h3>
  <div class="sample-activity__tags">
    <div class="tag--activity">Activity</div>
    <div class="tag--group">Collaborative</div>
  </div>
</div>
```

Assessment

ASSESSED   MEDIA

Task container

Welcome to Week 1

```html
<div class="task-activity">
  <h3 class="task-activity__name stu-ngr-med"><a href="#">Welcome to Week 1</a></h3>
  <div class="task-activity__tags"></div>
</div>
```

Introduce yourself

Quiz activity

Week 1 summative assessment

Task

```html
<div class="task-activity">
  <h3 class="task-activity__name stu-ngr-med"><a href="#">Welcome to Week 1</a></h3>
  <div class="task-activity__tags"></div>
</div>
```

JavaScript

Goal

```html
<div class="sample-activity">
  <h3 class="sample-activity__name act-grp-nme"><a href="#">Discussion forum</a></h3>
  <div class="sample-activity__tags">
    <div class="tag--activity">Activity</div>
    <div class="tag--group">Collaborative</div>
  </div>
</div>
```

Task

```html
<div class="task-activity">
  <h3 class="task-activity__name stu-ngr-med"><a href="#">Welcome to Week 1</a></h3>
  <div class="task-activity__tags"></div>
</div>
```

JavaScript

Create a place to store the tags.
Create all tags with the needed properties.

```javascript
const tags = new Map()

const activity = document.createElement('div')
activity.setAttribute('class', 'tag--activity')
activity.append('Activity')
tags.set('act', activity)
```

Wait for structure and content (DOM) to load.
Iterate over all task activities to create list of the codes of the needed tags.
Iterate over the list to fill in the tags.

```javascript
document.addEventListener('DOMContentLoaded', function () {
    const activitiyContainers = document.querySelectorAll('.task-activity');

    activitiyContainers.forEach((activitiyContainer) => {
        const activityTitleElement = activitiyContainer.querySelector('.task-activity__name')
        const activityTagsContainer = activitiyContainer.querySelector('.task-activity__tags')

        const classNameWithActivityLabels = activityTitleElement.classList[1]
        const activityLabels = classNameWithActivityLabels.split('-')

        activityLabels.forEach((label) => {
            tags.get(label) && activityTagsContainer.append(tags.get(label).cloneNode(true))
        })
    })
});
```

Goal

```html
<div class="sample-activity">
  <h3 class="sample-activity__name act-grp-nme"><a href="#">Discussion forum</a></h3>
  <div class="sample-activity__tags">
    <div class="tag--activity">Activity</div>
    <div class="tag--group">Collaborative</div>
  </div>
</div>
```

- We could use a framework

- We could use TypeScript

- We could add tests sure that the

- I would ask whether I should use pixels or REM

- I would request confirmation of the additional style code that I needed for the tags