

# **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](#)

[Introduce yourself](#)

[Quiz activity](#)

[Week 1 summative assessment](#)

## Sample container

### Discussion forum

ACTIVITY

COLLABORATIVE

```
<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

```
<div class="task-activity">
  <h3 class="task-activity__name stu-ng-r-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

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

## JavaScript

## Goal

```
<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

```
<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.

```
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.

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

  activityContainers.forEach((activityContainer) => {
    const activityTitleElement = activityContainer.querySelector('.task-activity__name')
    const activityTagsContainer = activityContainer.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

```
<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
- I would ask whether I should use pixels or REM
- I would ask for confirmation of the additional style code I used for the tags