VUE 3 COMPOSITION API CHEAT SHEET



```
<template>
                                                                           Use the composition API when:
 <div>
                                                                           The component is too large, and
    Spaces Left: {{ spacesLeft }} out of {{ capacity }}
                                                                           should be organized by logical
    <h2>Attending</h2>
                                                                           concerns(feature).
    ul>
                                                                           AND/OR
      Code needs to be extracted and reused
        {{ name }}
                                                                           across mulitiple components, as an
      alternative to Mixins/Scoped Slots.
    AND/OR
    <button @click="increaseCapacity()">Increase Capacity</button>
                                                                           Type safety in TypeScript is important.
</template>
                                                  If using Vue 2 with Composition API plugin configured:
<script>
import { ref, computed } from "vue";
                                                  import { ref, computed } from "@vue/composition-api";
export default {
  setup() {
                                                             Reactive Reference
    const capacity = ref(4);
                                                             Wraps primitives in an object to track changes
    const attending = ref(["Tim", "Bob", "Joe"]);
                                                             Computed Property
    const spacesLeft = computed(() => {
      return capacity.value - attending.value.length;
    });
                                                  Access the value of a Reactive Reference by calling .value
    function increaseCapacity() {
      capacity.value++;
                                                  Methods declared as functions
    }
    return { capacity, attending, spacesLeft, increaseCapacity };
};
                                                  Gives our template access to these objects & functions
</script>
```

CAN ALSO BE WRITTEN AS:

VUE 3 COMPOSITION API CHEAT SHEET



TO ORGANIZE BY FEATURE:

TO EXTRACT SHARED CODE:

```
■ use/sorting.js

export default function useSorting({ input, options }) {

□
}
```



Watch the Vue 3 Essentials course at VueMastery.com, taught by Gregg Pollack.

The setup() method

Called after beforeCreate hook and before created hook. Does not have access to this.

props

The first optional argument of setup:

context

The second optional argument of setup:

```
setup(props, context) {
  context.attrs;
  context.slots;
  context.parent;
  context.root;
  context.emit;
}

Exposes properties previously
  accessed using this
}
```

life-cycle hooks

Declare them inside setup

```
setup() {
  onMounted(() => { ... });
  onUpdated(() => { ... });
  onUnmounted(() => { ... });
}
```

Instead of using beforeCreate or created hooks, just write code or call functions inside setup() instead.

See the API documentation for additional info.