

VueJS to React

1. (4 pts) Write the equivalent in functional React (not class-based) of the following VueJS template expressions

```
<table>
  <tr><th>Name</th><th>Phone</th></tr>
  <tr v-for="(a,pos) in myContactList" v-bind:key="pos">
    <td>{{a.name}}</td><td>{{a.phoneNum}}</td>
  </tr>
</table>
<script setup lang="ts">
type Contact = {
  name: string;
  phoneNum: string
}
const myContactList: Ref<Contact[]> = ref([/* some data */])
</script>
```

In functional React:

2. (4 pts) Write the equivalent in React of the following VueJS template expression

```
<input type="slider" v-bind:min="lowValue" v-bind:max="hiValue" />
```

3. (4 pts) Write the equivalent in React of the following VueJS class

```
<template>
  <input type="password" v-model="myPass">
</template>
<script setup lang="ts">
myPass = ref("12345")
</script>
```

4. (4 pts) Write the React equivalent of the following event handling snippet

```
<template>
  <div v-on:keydown="flipCoin">
  </div>
</template>
<script setup lang="ts">
function flipCoin(ev: KeyEvent): void {
  /* some code here */
}
</script>
```