**Report of assignment1**

1. **Team members**

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1. **Technical design**

1. Interface design through XML file

Open Android Studio, build the project, and store the interface layout file under RES / layout. Double-click the created file, the left side is the interface design, and the right side corresponds to the XML text of the interface design.

1 > In the left control, drag a button to the right mobile phone interface, then click the text on the right side of the circle to view the text, you can see that XML has been written.

2 > Switch to the code directory, open the MainActivity created before, in the onCreate () method.

MainActivity adds two private data members.

Initialize TV and BT in onCreate (), and add listening events to BT.

Run the program, click the button, the original Hello world! Text changes. Here, both controls are defined through XML files. We implement a listener in the code, which is the control logic of the interface.

Example:

When designing the interface through code, we build a TextView control to write the title, and an ImageView control to write the title. First copy the picture to res/drawable directory, then use app: srcCompat="@drawable/sysu" to refer to it; establish two TextView controls to write "student number" and "password", set up two EditView controls to input student number and password; establish a RadioGroup, and then set up two radio buttons RadioButton inside.

1. **Running results**

 