

Timer:

```
onEvent(▼"button2", ▼"click", function() {  
    setScreen(▼"screen3");  
    Time = 15;  
    timedLoop(1000, function() {  
        Time = Time - 1;  
        setText(▼"label17", "Time: " + Time);  
        if (Time == 0) {  
            stopTimedLoop();  
            setText(▼"label13", "Time is up! You're Slow!");  
        }  
    });  
}
```

Clock:

```
//clock  
var today = new Date();  
  
var date = ((today.getMonth() + 1) + '/' + today.getDate() + '/' + today.getFullYear());  
  
var time = today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds();  
  
var dateTime = (date + ' ') + time;  
  
timedLoop(0, function() {  
    var today = new Date();  
  
    var date = ((today.getMonth() + 1) + '/' + today.getDate() + '/' + today.getFullYear());  
  
    var time = today.getHours() + ":" + today.getMinutes() + ":" + today.getSeconds();  
  
    var dateTime = (date + ' ') + time;  
    setText(▼"Clock", dateTime);  
});
```

Account System:

SignUp:

```
//SignUp
onEvent(▼"Sign_Up", ▼"click", function() {
  readRecords("Accounts", {}, function(records) {
    for (var i=0; i < records.length; i++) {
      if (getText(▼"Create_Password") == getText(▼"Confirm_Password")) {
        if (getChecked(▼"Agree_To_Terms")) {
          if (getText(▼"Create_Username") == "") {
            setText(▼"Sign_Up_Failed", "Please create a username.");
          } else if (getText(▼"Create_Password") == "") {
            setText(▼"Sign_Up_Failed", "Please create a password.");
          } else {
            createRecord("Accounts", {Email: (getText(▼"Email")), Username: (getText(▼"Create_Username")), Password: (getText(▼"Create_Password")), User_ID: (getUserID()), Time_Created: getDate(), Function: () {
              setScreen(▼"TheFoxJoining");
            }
            });
            hideElement(▼"Sign_Up_Failed");
            setText(▼"Email", "");
            setText(▼"Create_Username", "");
            setText(▼"Create_Password", "");
            setText(▼"Confirm_Password", "");
            setChecked(▼"Agree_To_Terms", ▼false);
            setTimeout(function() {
              showElement(▼"Sign_Up_Failed");
              setText(▼"Sign_Up_Failed", "");
            }, 4000);
          }
        } else {
          setText(▼"Sign_Up_Failed", "You must agree to the terms.");
        }
      } else {
        setText(▼"Sign_Up_Failed", "Password doesn't match.");
      }
    }
  });
});
```

Login:

```
//Login
onEvent(▼"Login_btn", ▼"click", function() {
  readRecords("Accounts", {}, function(records) {
    for (var i=0; i < records.length; i++) {
      if (getText(▼"Username") == records[i].Username && getText(▼"Password") == records[i].Password) {
        setText(▼"User", getText(▼"Username"));
        setScreen(▼"Welcome_scr");
        setText(▼"User_Welcome", "Welcome " + getText(▼"Username"));
        setText(▼"Hello_user", "Hello " + getText(▼"Username"));
        setText(▼"Profile_Username", getText(▼"Username"));
        setText(▼"Profile_Password", getText(▼"Password"));
        setText(▼"Profile_User_ID", records[i].User_ID);
        setText(▼"Username", "");
        setText(▼"Password", "");
        setText(▼"Login_Failed", "");
        showElement(▼"User_Settings_btn");
        showElement(▼"Report_User");
        showElement(▼"Feedback_btn");
        showElement(▼"Create_Post_1");
        showElement(▼"Create_Post_2");
        showElement(▼"Create_Post_3");
        showElement(▼"Viper_Assist_btn");
      } else {
        setText(▼"Login_Failed", "Username/Password invalid");
      }
    }
  });
});
```

Scoring System:

A good example from code.org:

https://studio.code.org/projects/gamelab/QipRHAzVq9EQ0cKe9NEiT87W_50clpDTIl0rQsegJvs