Implement Application Logic

In OutSystems, the logic of your applications is implemented through Actions. While developing your applications, you can create your own custom actions and use the actions OutSystems provides you:

- **Custom actions**: The actions that you create to define your business rules, fetch data from the database, run integrations with external systems, among other operations.

- **OutSystems built-in actions**: Actions that are defined by the platform and cannot be modified or inspected. You can use them in your action flows, such as Entity Actions, System Actions, or Role Actions.

- **Actions that handle System Events**: Actions that run at specific moments of the application life cycle, such as when a web session starts or a mobile app resumes. You are able to design the flow of these actions according to your business rules.

Actions in Mobile and Web Applications

The architecture of mobile and web applications is different and that affects the type of actions available and how they are used in both architectures. While in web applications all the logic runs on the server, in mobile apps you have logic that runs on the server and logic that runs on the client - the user device.

When developing the logic of your mobile app you must take into account that every time your client side logic needs to execute server side logic, the user device will make a request to the server and wait for the server response. This communication requires that the user device is online (connected to the internet).

Check the actions that you can create and use in [web applications](https://success.outsystems.com/Documentation/10/Developing_an_Application/Implement_ApplicationLogic) or in [mobile apps](https://success.outsystems.com/Documentation/10/Developing_an_Application/Implement_ApplicationLogic).

• **Handle Exceptions**

Handle and raise exceptions in OutSystems applications.

Featured Articles:

- [Analyze the Logs of Exceptions](https://success.outsystems.com/Documentation/10/Developing_an_Application/Implement_ApplicationLogic)
Articles in this Section

- **Actions in Mobile Apps**
  Learn more about the Actions you can create and use in your mobile app.

- **Actions in Web Applications**
  Learn more about the Actions you can create and use in your web applications.

- **Screen and Block Lifecycle Events**
  Screens and Blocks follow a lifecycle composed by a set of stages. Learn what those stages are and you what can do at each one.

- **Use a For Each to Iterate a List**
  Learn how to use a For Each to iterate a list in your logic.

- **Update List Items on a Screen**
  Learn how to manipulate a list and update it right away on the screen without having to reload the screen.

- **Use Ajax to Refresh Part of a Screen**
  It is possible to update certain parts of the screen without reloading the whole screen, thus improving the end-user experience.

- **Send an Email From a Web Application**
  Learn how to use built-in emails in your web applications.