

# Coding Samples

Media Capture and Cards (30 Minutes)

# Media Capture and Cards

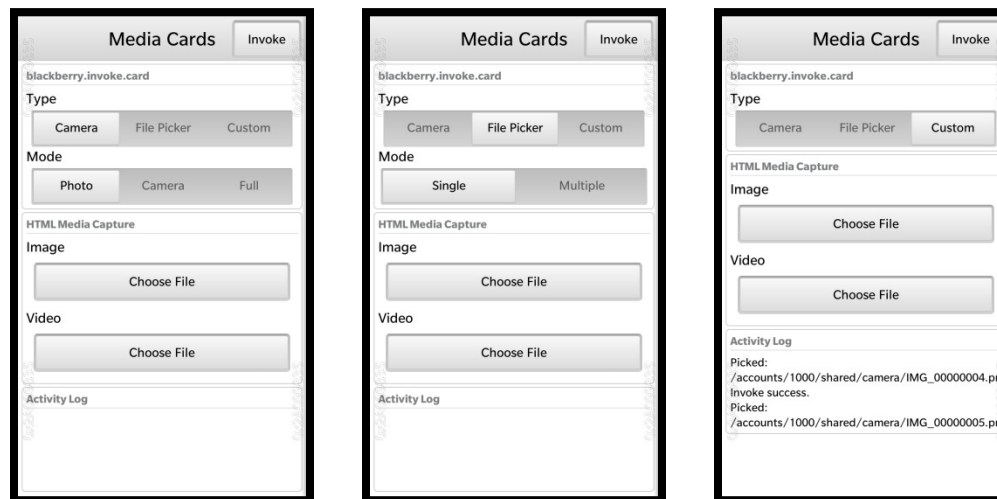
 **BlackBerry** Jam Americas

- This sample outlines how to invoke Cards (Camera and File Picker) as well as the HTML implementation for capturing media via `<input>`.
- Source
  - ▶ <https://github.com/oros/BB10-WebWorks-Samples/tree/master/mediacards>
- Documentation
  - ▶ <https://developer.blackberry.com/html5/apis/blackberry.invoke.card.html>
  - ▶ <https://developer.blackberry.com/html5/apis/blackberry.invoke.html>

# Task 1 (5 Minutes)

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- Download the sample source and build it using the BlackBerry 10 WebWorks SDK. Deploy the resulting BAR file to your device and familiarize yourself with the application and implemented functionality.



## Task 2 (2 Minutes)



- In [invoke.html](#), modify the [HTML Media Capture](#) panel to include an `<input>` element for photo capture.
  - ▶ You will need to accept [image/\\*](#).
  - ▶ You will need to capture via [camera](#).
- In [invoke.html](#), modify the [HTML Media Capture](#) panel to include an `<input>` element for video capture.
  - ▶ You will need to accept [video/\\*](#).
  - ▶ You will need to capture via [camcorder](#).

## Task 3 (3 Minutes)



- In [invoke.js](#), modify the [invoke](#) function and implement the arguments that are used when invoking the [camera](#) Card.
  - ▶ You will need to assign [options](#).
    - Unlike File Picker, Camera requires a direct variable assignment instead of `{}`.
  - ▶ You will need to assign [onComplete](#).
  - ▶ You will need to assign [onCancel](#).
  - ▶ You will need to assign [onInvoke](#).
  - ▶ See: [blackberry.invoke.card.invokeCamera](#)
- Use the implemented File Picker as an example.

## Task 4 (10 Minutes)



- In `invoke.js`, modify the `invoke` function for the `custom` Card type.
  - ▶ Leverage the `filepicker` implementation as an example and for more information on various flags that can be set.
  - ▶ Test out three or four different configurations.

## Task 5 (10 Minutes)



- In `invoke.js`, modify the `invoke` function and implement the `custom` Card invocation.
  - ▶ You will need to leverage the `blackberry.invoke.invoke` function.
  - ▶ Sample `target`: `sys.browser`
  - ▶ Sample `uri`: `http://www.blackberry.com`
  - ▶ Sample `type`: `audio/mpeg3`
  - ▶ Sample `action`: `bb.action.VIEW`
  - ▶ When launching a third-party application, the primary `options` will be `target`, `type`, and `data`.
    - If the `target` corresponds to a Card entry point, it will be opened within your application as opposed to as a separate application.