Improving Application Responses with Custom Action Results



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Your estimated rate is \$102 per month.

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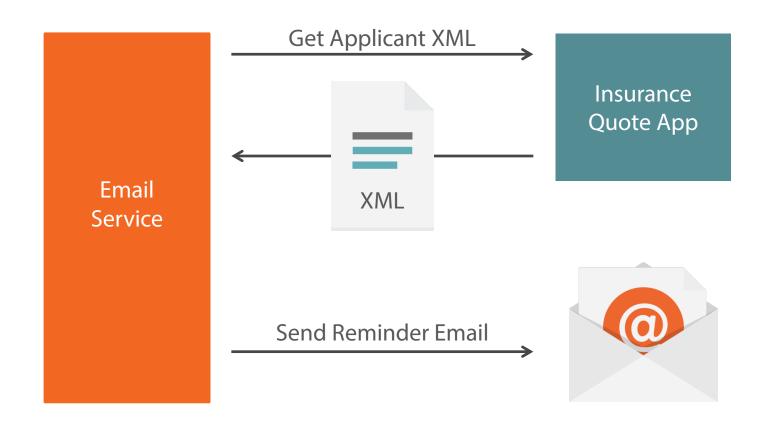
Plan Feature	Cost
Standard Deductible	\$500
Max Coverage	\$100/\$300k
Roadside Assitance	Yes
Car Rental	Yes
Medical Coverage	\$250/500k
New Car Guarantee	Yes

Edit This Plan

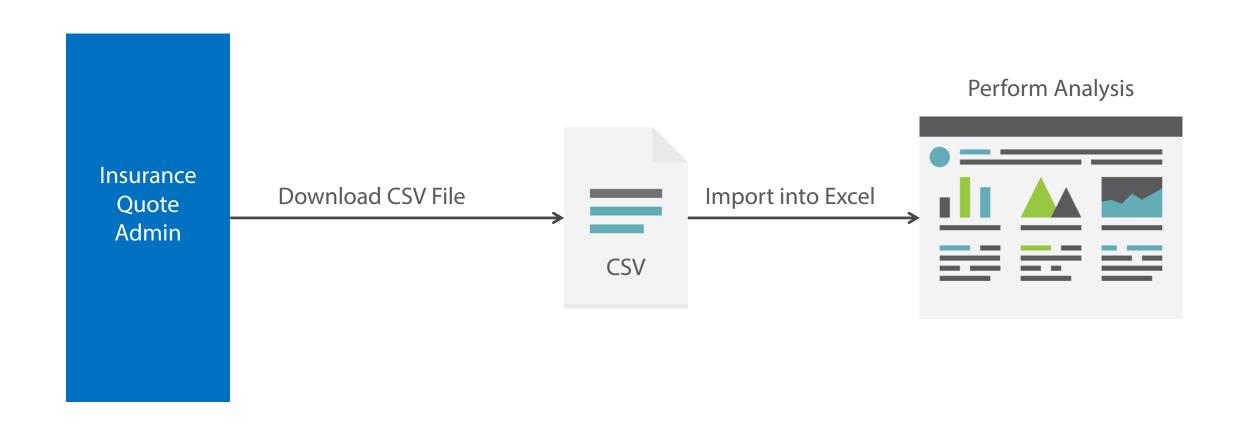
Sign Me Up!

Please Note: Your loan application session has now expired. To update details of this application, contact one of our sales reps. You can also start the process over at any time. Whatever you need - we're there to help you out!

Providing Customer Data



Analyzing Customer Data





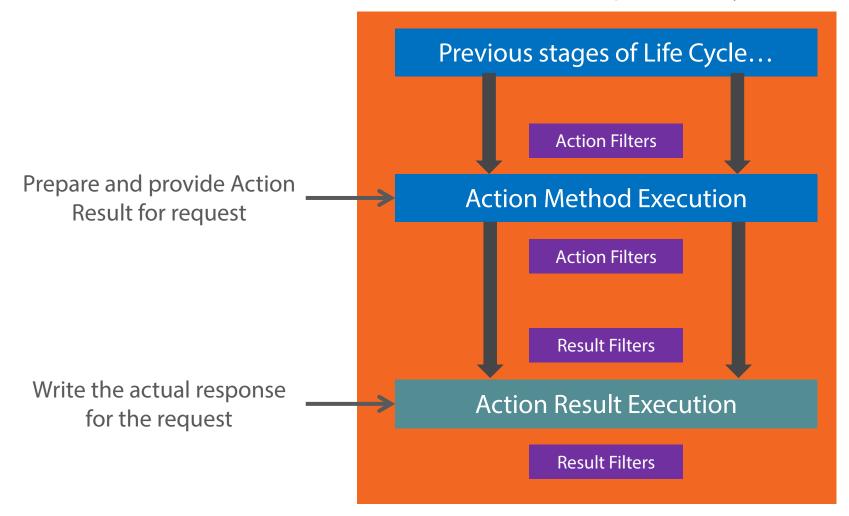
Understanding Action Results

Working with Action Results

return View() return new ViewResult() return new return RedirectToAction() RedirectToRouteResult() return Content() return new ContentResult()

Handling a Response with Action Results

(Partial) MVC Request Life Cycle



Understanding Different Result Types

return View()

Forward response handling to View Engine

View Engine

Locate and render view template as response

Response Sent

return Content()

Writes string content and HTTP Headers to response object

Response Sent

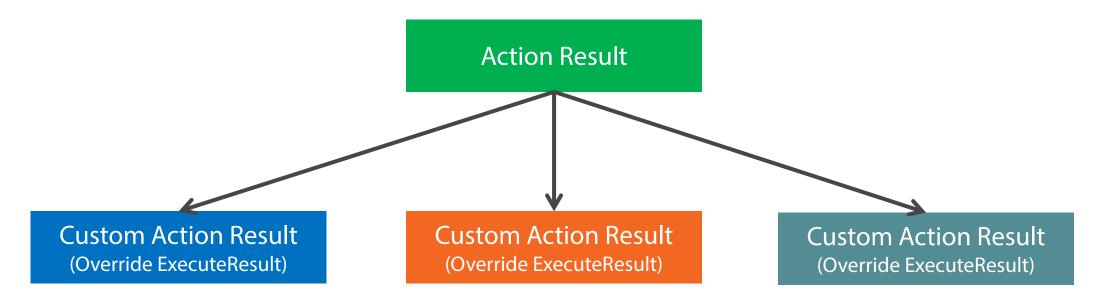
return File()

Writes HTTP Headers and byte array or stream to response object

Response Sent

Building a Custom Action Result

```
public abstract class ActionResult
{
    public abstract void ExecuteResult(ControllerContext context);
}
```



Extending Existing Action Results

Extend Base Result

ActionResult

Simple or completely unique result types

Custom Action Result (Override ExecuteResult)

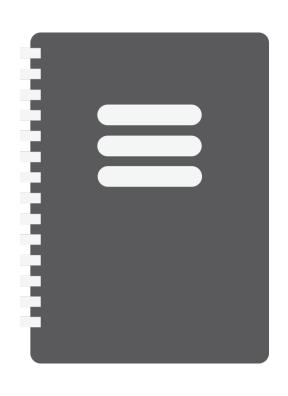
Extend Existing Result

FileResult

Specialized version of existing types

Custom Action Result (Override Relevant Method)

Summary



- Action Results are ultimately responsible for writing a response to a request
- Custom Results can be created by inheriting from ActionResult and overriding ExecuteResult
- Custom Results allow for cleaner Action Methods by abstracting code away behind the scenes
- Inherit from existing, more specific Action Results to reuse valuable logic