

Working with Responses



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Overview



String

File

HTML

JSON

Negotiate

Others

- XML
- Data
- Stream
- SSEvent



Strings

```
func (c *Context) String(code int, format string,  
    values ...interface{})
```

```
context.String(http.StatusOK, "Hello from %v", "Gin")
```



File

```
func (c *Context) File(filepath string)
```

```
context.File("./public/img/favicon.ico")
```

```
func (group *RouterGroup) StaticFile(  
    relativePath, filePath string) IRoutes
```



HTML - Templates

```
func (engine *Engine) LoadHTMLFiles(files ...string)
```

```
func (engine *Engine) LoadHTMLGlob(pattern string)
```

```
func (engine *Engine) SetHTMLTemplate(  
    templ *template.Template)
```



HTML

```
func (c *Context) HTML(code int, name string,  
    obj interface{})
```

```
context.HTML(http.StatusOK, "index.html", gin.H{  
    "title": "Employee Self-Service Portal",  
})
```

```
type H map[string]interface{}
```



JSON

```
func (c *Context) JSON(code int, obj interface{})
```

```
context.JSON(http.StatusOK, gin.H{  
    "firstName": "Jennifer",  
    "lastName": "Watson",  
})
```



Negotiate - SetAccepted

```
func (c *Context) SetAccepted(formats ...string)
```

```
context.SetAccepted("application/json",  
    "application/x-www-form-urlencoded",  
    "text/xml")
```



Negotiate

```
func (c *Context) Negotiate(code int, config Negotiate)
```

```
type Negotiate struct {  
    Offered    []string  
    HTMLName   string  
    HTMLData   interface{}  
    JSONData   interface{}  
    XMLData    interface{}  
    Data       interface{}  
}
```

```
Negotiate{  
    Offered: []string{  
        "text/html",  
    },  
    HTMLName: "index.html",  
    HTMLData: "foo"  
}
```

◀ Offered lists option

◀ The template name

◀ Data context for the template



```
Negotiate{  
  Offered: []string{  
    "application/json",  
  },  
  JSONData: "foo",  
  Data: "bar"  
}
```

- ◀ Offered lists options
- ◀ If present, this will be served first
- ◀ Data used by multiple response types



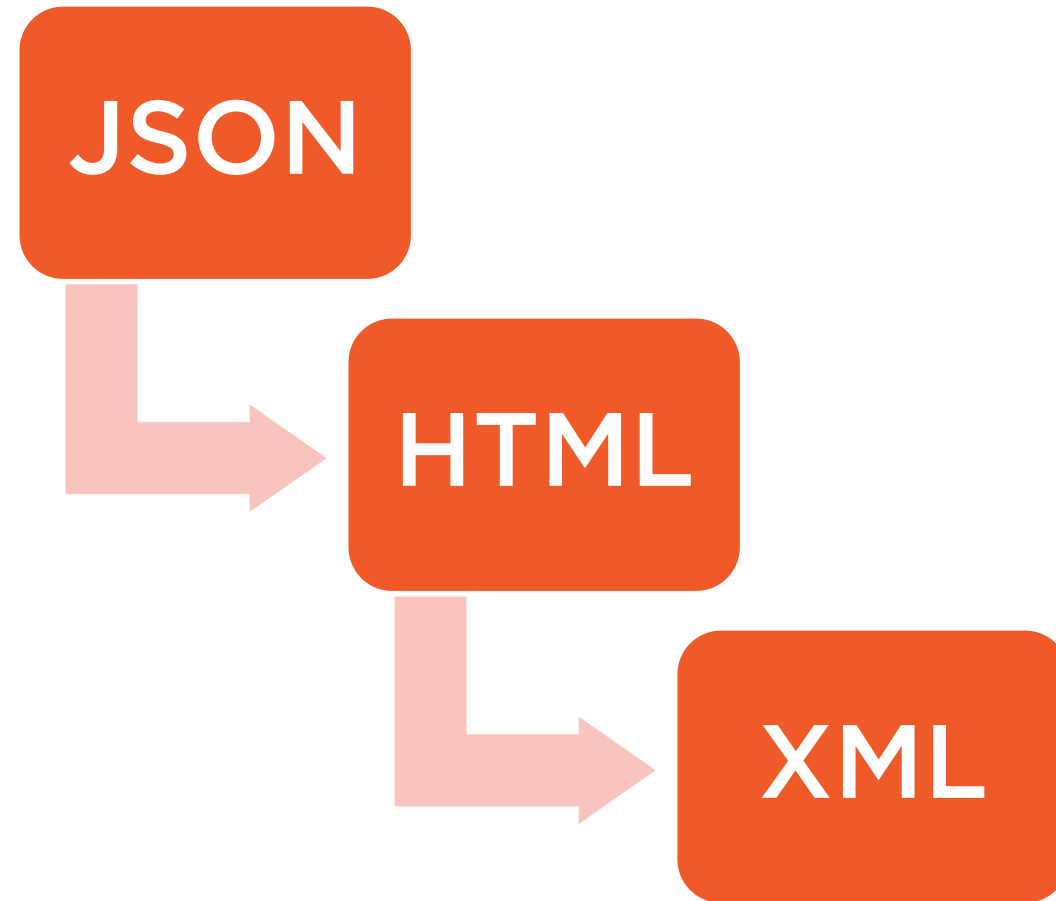
```
Negotiate{  
  Offered: []string{  
    "text/xml",  
    "application/json",  
  },  
  Data: "bar"  
}
```

◀ Offered lists options

◀ Data used by multiple response types



Negotiation Precedence



Other Response Types

XML

Data

Stream

SSEvent



Summary



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File

HTML

JSON

Negotiate

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