

Проектирование API, часть 4

Роутинг

```
api := &books.Handler{}  
mux.HandleFunc("/api/v1/books", api.List).Methods("GET")  
mux.HandleFunc("/api/v1/books/{id}", api.Get).Methods("GET")  
mux.HandleFunc("/api/v1/books", api.AddNew).Methods("POST")  
mux.HandleFunc("/api/v1/books/{id}", api.Update).Methods("PUT")  
mux.HandleFunc("/api/v1/books/{id}", api.Delete).Methods("DELETE")  
  
// не ложится на HTTP-verb ( HTTP-method )  
mux.HandleFunc("/api/v1/books/{id}/share", api.Share).Methods("POST")  
mux.HandleFunc("/api/v1/books/{id}/like", api.Like).Methods("POST")
```

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```
api := &books.Handler{}  
mux.Handle("/api/v1/photos", api)  
mux.Handle("/api/v1/photos/", api)  
  
func (api *Handler) ServeHTTP(w http.ResponseWriter, r *http.Request) {  
    switch r.Method {  
    case http.MethodGet:  
        api.List(w, r)  
    case http.MethodPost:  
        api.Update(w, r)  
    case http.MethodDelete:  
        api.Delete(w, r)  
    default:  
        http.Error(w, "no method", 404)  
    }  
}
```

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Роутинг

```
api := &books.Handler{}  
mux.HandleFunc("/api/v1/books", api.Get)  
mux.HandleFunc("/api/v1/books/list", api.Get)  
mux.HandleFunc("/api/v1/books/upload", api.AddNew)  
mux.HandleFunc("/api/v1/books/update", api.Update)  
mux.HandleFunc("/api/v1/books/delete", api.Delete)  
  
mux.HandleFunc("/api/v1/books/share", api.Share)  
mux.HandleFunc("/api/v1/books/like", api.Like)
```

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Роутинг

```
api := &books.Handler{}  
mux.Handle("/api/v1/books/", api)  
  
func (ph *Handler) ServeHTTP(w http.ResponseWriter, r *http.Request) {  
    path := strings.Split(r.URL.Path, "/")  
    method := path[len(path)-1]  
    switch method {  
    case "": // /api/v1/books/  
        ph.List(w, r)  
    case "upload": // /api/v1/books/upload  
        ph.Create(w, r)  
    case "delete": // /api/v1/books/delete  
        ph.Delete(w, r)  
    default:  
        http.Error(w, "no method", 404)  
    }  
}
```

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```
booksHandler := &books.Handler{}
```

```
mux.HandleFunc("/api/v1/books", books.List).Methods("GET")
```

```
usersHandler := &users.Handler{}
```

```
mux.HandleFunc("/api/v1/users", users.List).Methods("GET")
```