

database.rkt

```
1 #lang untyped
2
3 (define (create db name)
4   (exec-query ...))
5
6 ;; ...
```

typed-db.rkt

```
1 #lang typed
2
3 (require/typed/provide
4   "database.rkt"
5   [#:opaque DB
6     sql-connection?]
7   [create
8     (-> DB Username
9         Boolean)])
10
11 (define-type Username
12   Symbol)
```

app.rkt

```
1 #lang untyped
2
3 (require
4   "typed-db.rkt")
5
6 (define (serve r)
7   (if (new-user? r)
8       (create ...)
9       ...))
10
11 ;; ...
```