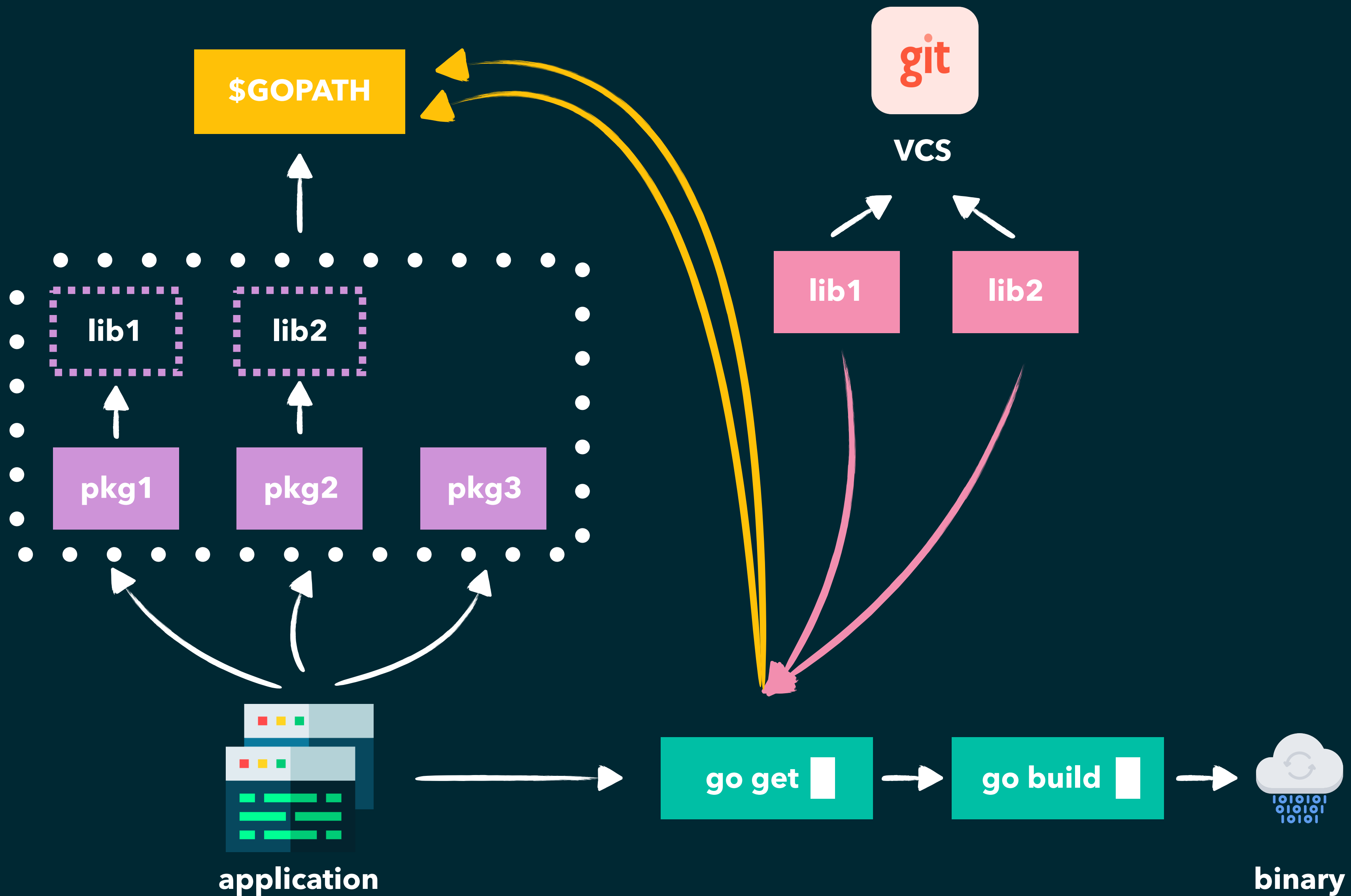




vendor dir in Go

THE PROBLEM



VERSIONING



lib1

■ master → v2.1.0

■ v1.0.0

...

■ v2.1.0

lib2

■ master → v3.1.2

■ v1.0.0

...

■ v3.1.2



SEM VER



■ v3.1.2

- **major** - breaking changes
- **minor** - features, improvements
- **patch** - patches, bug fixes

GO 1.5 VENDOR EXPERIMENT



 **\$GOPATH/src/github.com/steevehook/project**

package1

package2

package3

main

 **vendor/github.com/steevehook/project**

package 3

```
package main
```

```
import(
```

```
    _ "github.com/steevehook/project/package1"
```

```
    _ "github.com/steevehook/project/package2"
```

```
    _ "github.com/steevehook/project/package3"
```

```
)
```

HOW DO IMPORTS RESOLVE?



main.go

```
import "github.com/u/p/pkg1"
```



`$GOPATH` < `vendorN` < `vendorN-1` < ... < `vendor0`



`$GOPATH/src/github.com/u/p/pkg1`

...



`vendor/src/github.com/u/p/pkg1`

...



`vendor/src/github.com/u/p/pkg1`

...

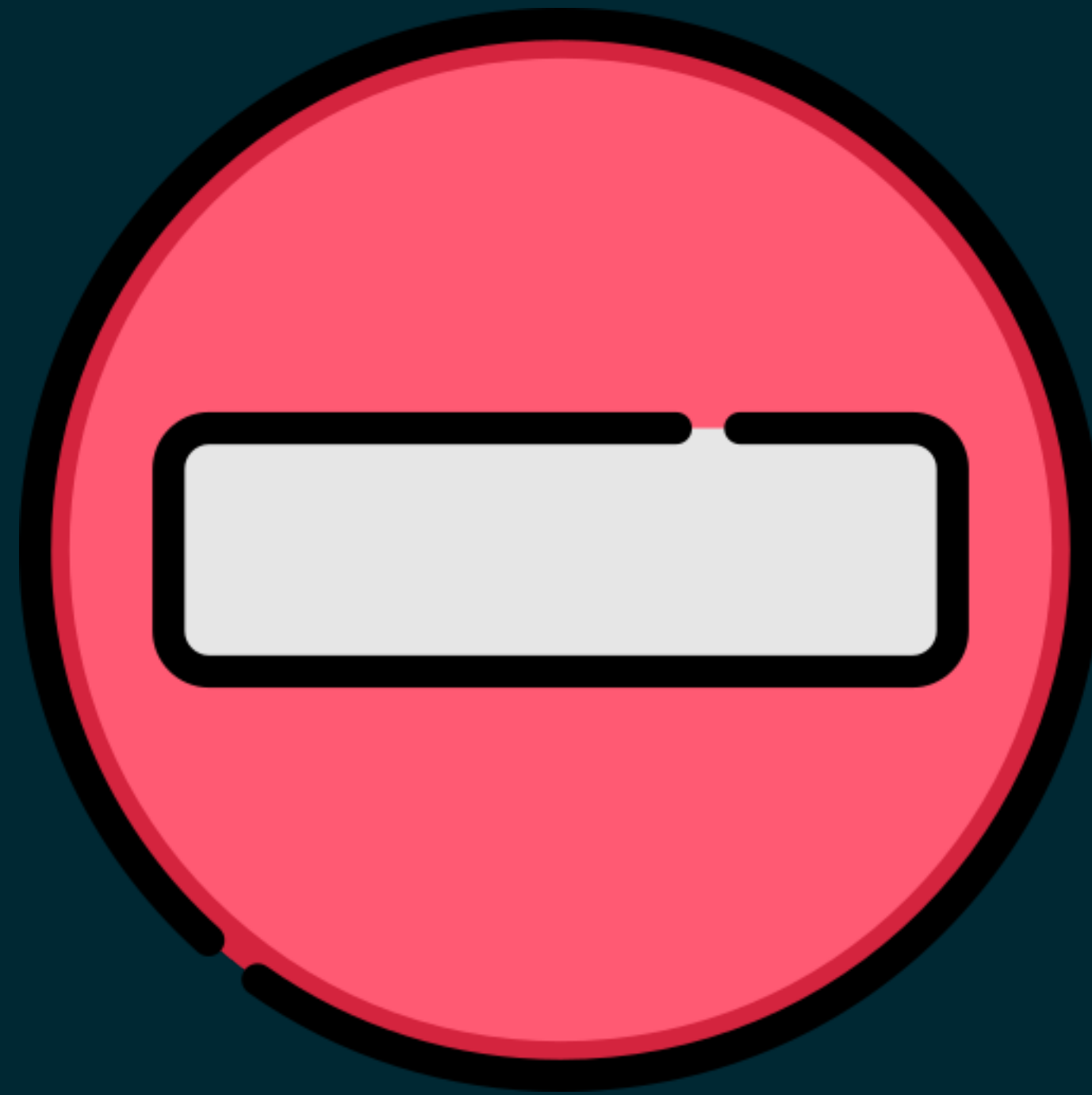


`vendor/src/github.com/u/p/pkg1`



`main.go`

NESTED VENDOR DIRECTORIES?



IMPORTS INSIDE VENDOR



`$GOPATH < vendorN < vendorN-1 < ... < vendor0`

IMPORT SHADOWING



 **\$GOPATH**/src/github.com/steevehook/project

package1

package2

package3

main

 **vendor**/github.com/steevehook/project

package 3

```
package main
```

```
import(
```

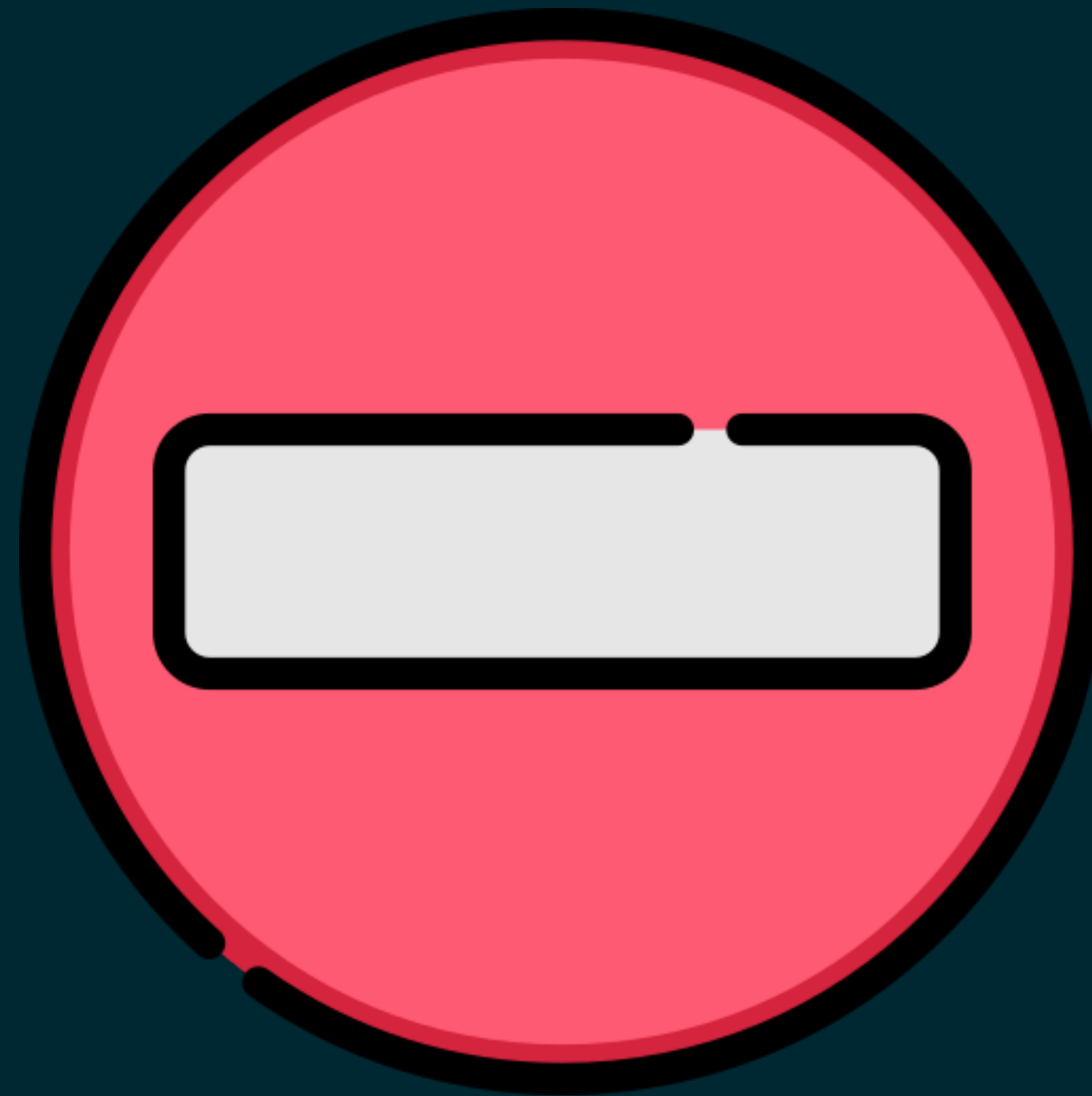
```
    _ "github.com/steevehook/project/package1"
```

```
    _ "github.com/steevehook/project/package2"
```

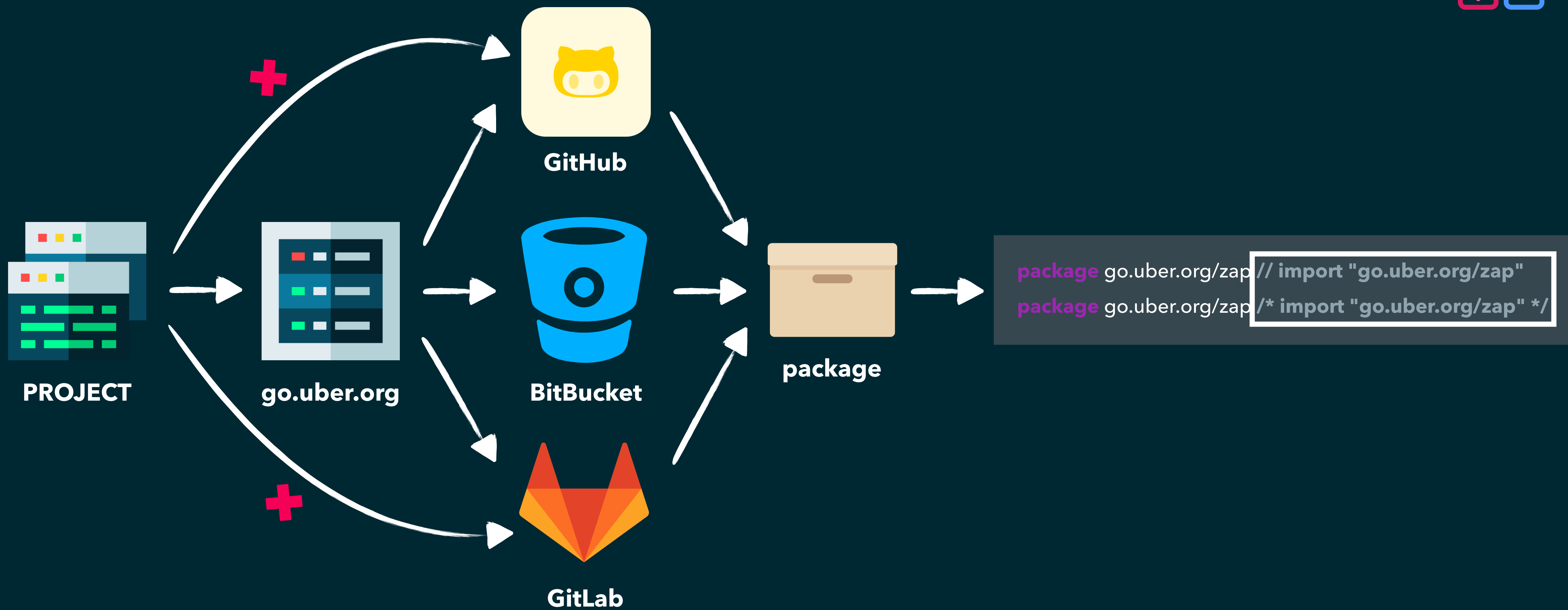
```
    _ "github.com/steevehook/project/package3"
```

```
)
```

IMPORT PATH CHECKING IS DISABLED FOR VENDOR



IMPORT PATH CHECKING



GO GET DOES NOT UPDATE VENDOR



go get



\$GOPATH



vendor