

Spooky Action At A Distance

And also road signs

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Source: gitlab.com/andybalaam/spooky-action-at-a-distance-video

C: global variables

```
char* user_id = "rabbit";  
// ...
```

```
void view() {  
    char* uid = user_id;
```

Python: module-level variables

```
# user.py:  
class UserInfo:  
    # ...  
user = UserInfo("rabbit")
```

```
# main.py:  
import user  
uid = user.user.user_id
```

C++: Singletons

```
static UserInfo& instance()  
{  
    static UserInfo INSTANCE("rabbit");  
    return INSTANCE;  
}  
// ...  
string& uid = UserInfo::instance().user_id;
```

Java:
UserInfoSingletonFactoryProducerF
actoryImpl

(code too wide to include in this slide)

C#: Dependency Injection Frameworks

```
Bind<IUserInfo>.to<UserInfo>();  
// ...
```

```
public class View {  
    public View(IUserInfo user) {  
        this.uid = user.user_id;  
    }  
}
```

Scala: implicits

```
given UserInfo = UserInfo("rabbit");  
// ...
```

```
def view()(using user: UserInfo) = {  
  val uid = user.user_id;  
  // ...  
}
```

JavaScript: React Contexts

```
<UserContext.Provider user_id="rabbit">  
  <View/>  
  // ...
```

```
function View() {  
  const uid = useContext(UserContext).user_id;  
  // ...
```


Why?

Why?

- **Don't**
- **Repeat**
- **Yourself**

Road signs



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Road signs



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Road signs are useful

- **DO**
- **Repeat**
- **Yourself**

Function signatures are useful

Don't turn them into lies