Spooky Action At A Distance

And also road signs

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ACCU 2023

C: global variables

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

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

Python: module-level variables

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


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

C++: Singletons

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

Java: UserInfoSingletonFactoryProducerFactoryImpl

(code too wide to include in this slide)

C#: Dependency Injection Frameworks

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

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

Scala: implicits

```scala
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?

- **D**on't
- **R**epeat
- **Y**ourself

Road signs

Road signs

Road signs are useful

- **DO**
- **R**epeat
- **Y**ourself

Function signatures are useful

Don't turn them into lies