

Annotation Autowiring and Qualifiers



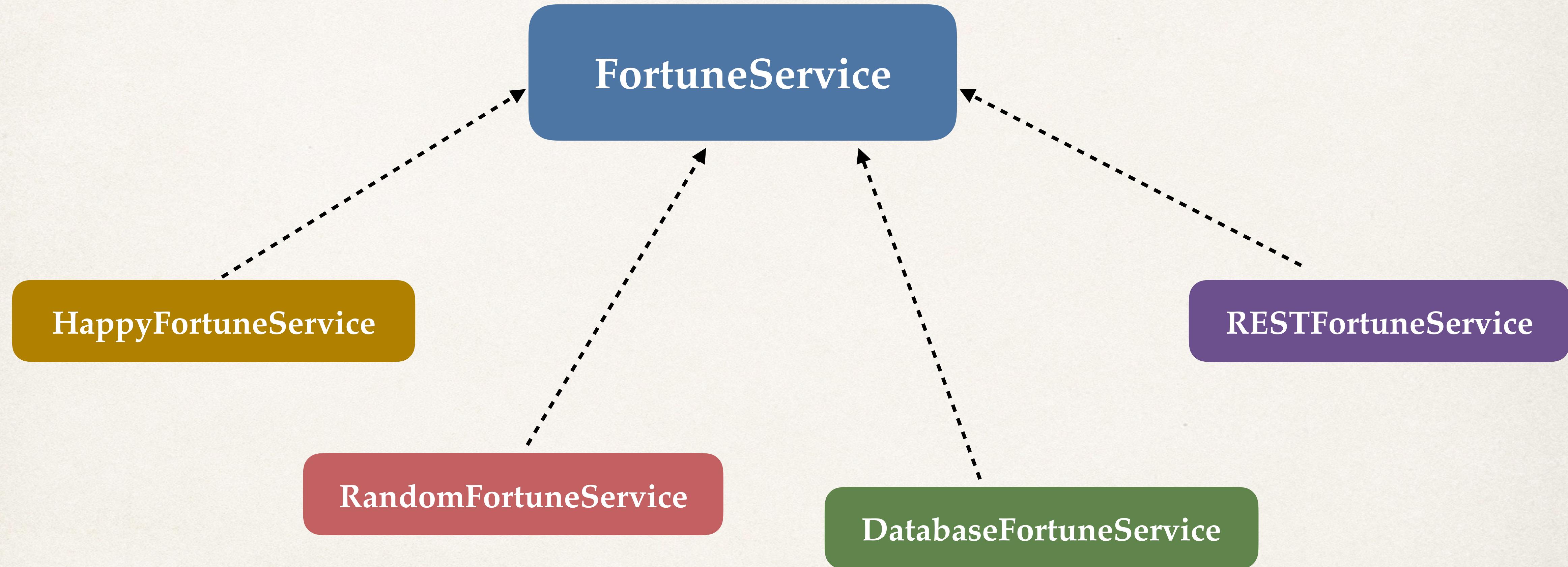
Autowiring

Coach

FortuneService

- Injecting FortuneService into a Coach implementation
- Spring will scan @Components
- Any one implements FortuneService interface???
- If so, let's inject them ... *oops which one?*

Multiple FortuneService Implementations



Umm, we have a little problem

Error creating bean with name 'tennisCoach':
Injection of autowired dependencies failed

Caused by: [org.springframework.beans.factory.NoUniqueBeanDefinitionException](#):

No qualifying bean of type [com.luv2code.springdemo.FortuneService] is defined:
expected single matching bean but found 4:

databaseFortuneService,happyFortuneService,randomFortuneService,RESTFortuneService

Solution: Be specific! - @Qualifier

```
@Component
public class TennisCoach implements Coach {
    @Autowired
    @Qualifier("happyFortuneService")
    private FortuneService fortuneService;
    ...
}
```

Injection Types

- Can apply **@Qualifier** annotation to
 - Constructor injection
 - Setter injection methods
 - Field injection