

스프링 부트



Entity

```
@Entity
@Data
@AllArgsConstructor
@NoArgsConstructor
@Builder
public class Message extends BaseEntity{
    no usages

    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    @Column(name = "message_idx")
    private Long id;

    no usages

    @ManyToOne(fetch = FetchType.LAZY)
    @JoinColumn(name = "user_idx")
    private User user;

    no usages

    private String content;

    no usages

    private Boolean isActive;

    no usages

    private Boolean isInappropriate;
}
```

message					상태 메시지
🔑	메시지 id	message_idx	Long	NOT NULL	Comment
🔑	유저 idx	user_idx	Long	NOT NULL	Comment
✖	내용	content	VARCHAR(255)	NOT NULL	Comment
	생성 시각	created_at	VARCHAR(255)	NOT NULL	Comment
	활성화 여부	is_active	BOOLEAN	NOT NULL	Comment
+	부적절한 메시지 여부	is_inappropriate	BOOLEAN	NOT NULL	Comment

IoC (Inversion of Control) 제어의 역전

DI (Dependency Injection) 의존성 주입

```
class Chef {  
    레시피  
  
    요리하기() {  
        레시피 단계 보기()  
        단계 따라 요리하기()  
    }  
}
```

```
class Chef {  
    BurgerRecipe burgerRecipe  
        = new BurgerRecipe();  
    cook() {  
        burgerRecipe.getStep();  
        // 버거 요리 하기  
    }  
}
```



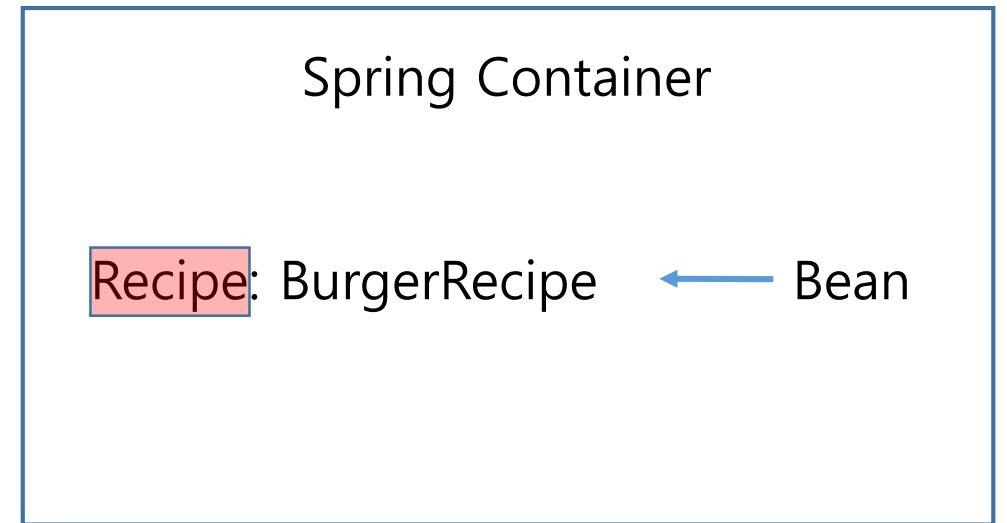
```
class BurgerRecipe {  
    List<Step> steps = ... ;  
    getSteps() {  
        return steps;  
    }  
}
```

```
class PizzaRecipe {  
    List<Step> steps = ... ;  
    getSteps() {  
        return steps;  
    }  
}
```

메서드가 매우 많아진다면?

Spring Container
스프링 컨테이너

```
class Chef {  
    Recipe recipe = new Recipe();  
    cook() {  
        recipe.getSteps();  
        // 요리 하기  
    }  
}
```

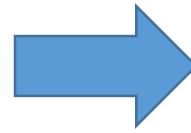


Singleton
싱글톤

Singleton의 문제

```
public class Person {  
  
    private static Person instance;  
  
    private Person() {  
        throw new IllegalStateException("Private Constructor");  
    }  
  
    public static Person getInstance() {  
        if (instance == null) {  
            instance = new Person();  
        }  
        return instance;  
    }  
}
```

```
public class Person {  
  
    private static Person instance;  
  
    private Person() {  
        throw new IllegalStateException("Private Constructor");  
    }  
  
    public static Person getInstance() {  
        if (instance == null) {  
            instance = new Person();  
        }  
        return instance;  
    }  
}
```



```
public class Person {  
  
}
```