

## Summary

### Project Name

Patterns

### Project Repository

<https://github.com/Lukeekul/wahlzeit>

### Project CI

<https://travis-ci.org/Lukeekul/wahlzeit>

### Current Tag

adap-hw13 master

### Diff to last tag

<https://github.com/Lukeekul/wahlzeit/compare/adap-hw12...Lukeekul:adap-hw13>

## Overview

- Collaboration of PatternPhoto with Pattern
- Collaboration of Pattern with PatternType
- Collaboration of Pattern with PatternManager

## Details

### Collaboration of PatternPhoto with Pattern

- Purpose: Provide main domain functionality
- Roles:
  - PatternPhoto: Client
  - Pattern: Service
- pseudo Java Code:

```
public collaboration ServiceCollab{  
    public role Client {  
        ...  
    }  
    public role Service {  
        ...  
    }  
}
```

```
};

public class PatternPhoto binds ServiceCollab.Client {
    ...
};

public class Pattern binds ServiceCollab.Service {
    ...
};
```

## Collaboration of Pattern with PatternType

- Purpose: Provide information common to all instances of a type
- Roles:
  - Pattern: BaseObject
  - PatternType: TypeObject
- pseudo Java Code:

```
public collaboration TypeObjectCollab {
    public role BaseObject {
        ...
    }
    public role TypeObject {
    }
};

public class Pattern binds TypeObjectsCollab.BaseObject {
    ...
};

public class PatternType binds TypeObjectsCollab.TypeObject {
    ...
};
```

## Collaboration of Pattern with PatternManager

- Purpose: Centralize object management in one place
- Roles:
  - Pattern: Element
  - PatternManager: Manager
- pseudo Java Code:

```
public collaboration ManagerCollab {
    public role Element {
        ...
    }
    public role Manager {
```

```
    }  
};  
  
public class Pattern binds ManagerCollab.Element {  
    ...  
};  
  
public class PatternManager binds ManagerCollab.Manager {  
    ...  
};
```