

SENG 301

Software

Analysis and

Design

Lab 2

May Mahmoud

Structure diagram: reading, writing, debugging

In this lab, you will be:

- Investigating certain pieces of source code to understand their structure
- Investigating certain structural diagrams to understand their implications
- Translating source code to structural diagrams and vice versa
- Finding problems and errors in structural diagrams

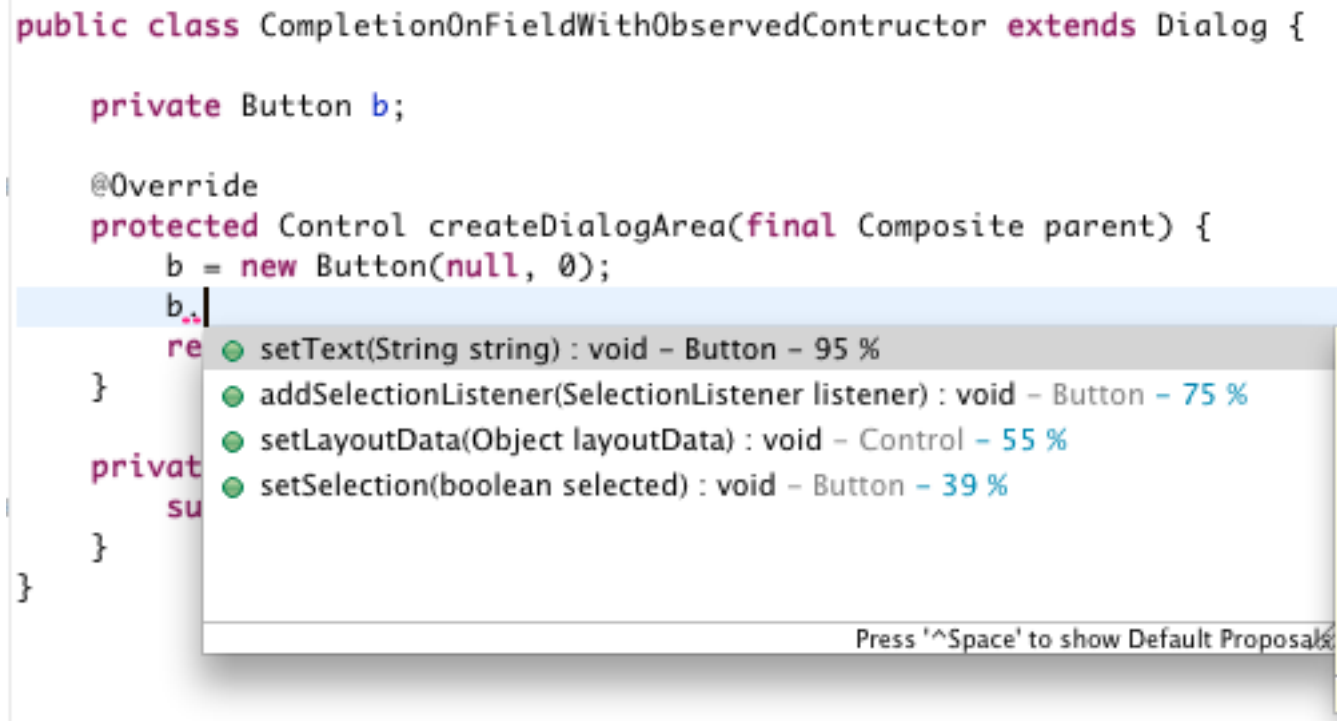
Structural Diagrams – Quick Discussion

- Why use structural diagrams?
 - Represent classes , relationship between types..etc
- What kind of relationships can be represented by a class diagram?
 - Inheritance (generalization)
 - Dependency
 - Association
 - Aggregation
 - Composition
 - Containment

Eclipse Tips & Trick – Code completion

- Ctrl + Space (Windows)
- Command +Space (Mac)

```
public class CompletionOnFieldWithObservedConstructor extends Dialog {  
    private Button b;  
  
    @Override  
    protected Control createDialogArea(final Composite parent) {  
        b = new Button(null, 0);  
        b.  
        re  
    }  
    private  
    su  
}  
}
```



Press '^Space' to show Default Proposals

START LAB 2