TECHNISCHE UNIVERSITÄT DRESDEN

Department of Computer Science Institute for System Architecture, Chair for Computer Networks

Application Development for Mobile and Ubiquitous Computing

Seminar Task
First Presentation

GroupNo. 21
Team: Hendrik Sollich, Felix Wackernagel

Android Application: Droid Fridge

Organize your Fridge

Create shopping lists

Get new recipes online or create your own

"Never worry about recipes again"

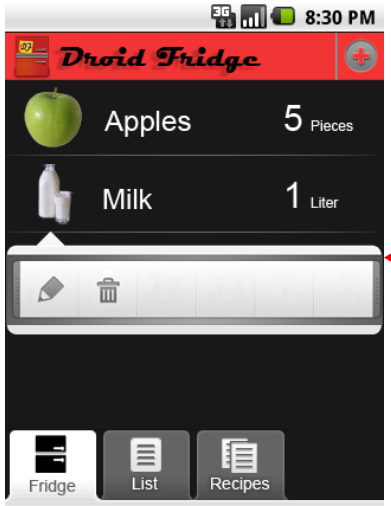
"No longer forget what to ingredients to buy"

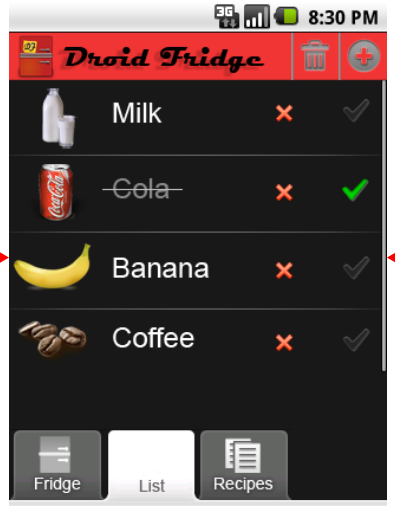
"Be inspired"

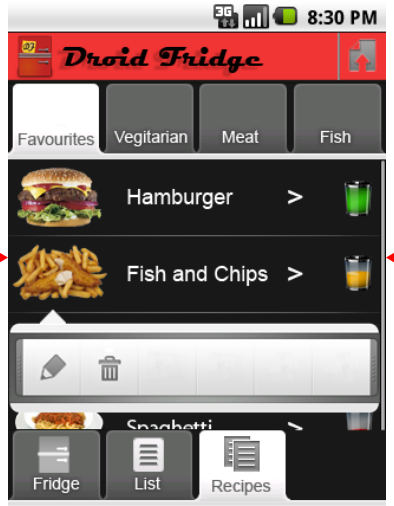
Application Scenario

- Start Droid Fridge
- Slide to ingredients, recipes and shopping list
- Alternatively use tabs for navigation
- Tab recipes to get all ingredients to your shopping list
- Check your shopping list
- Create own recipes and ingredients on your device

Workflow

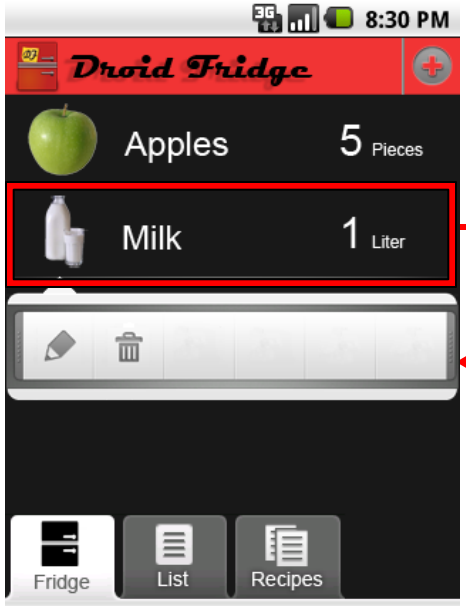


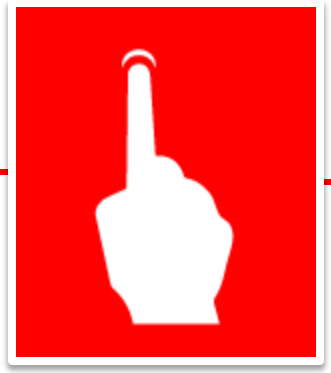


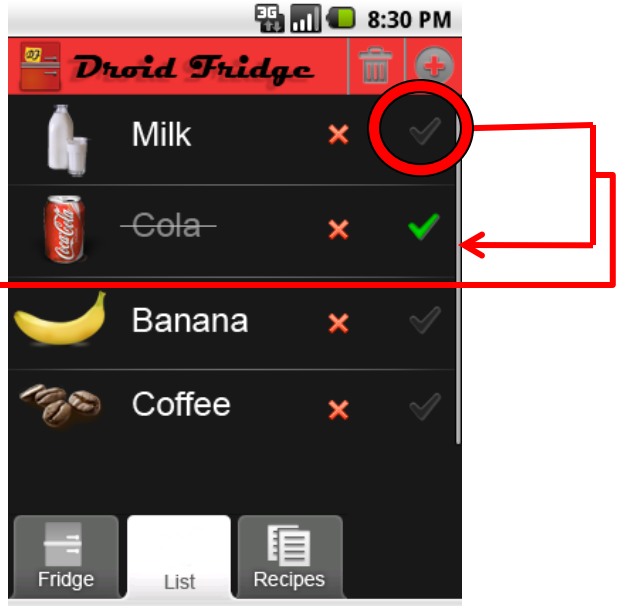


Slide between the tabs

Workflow



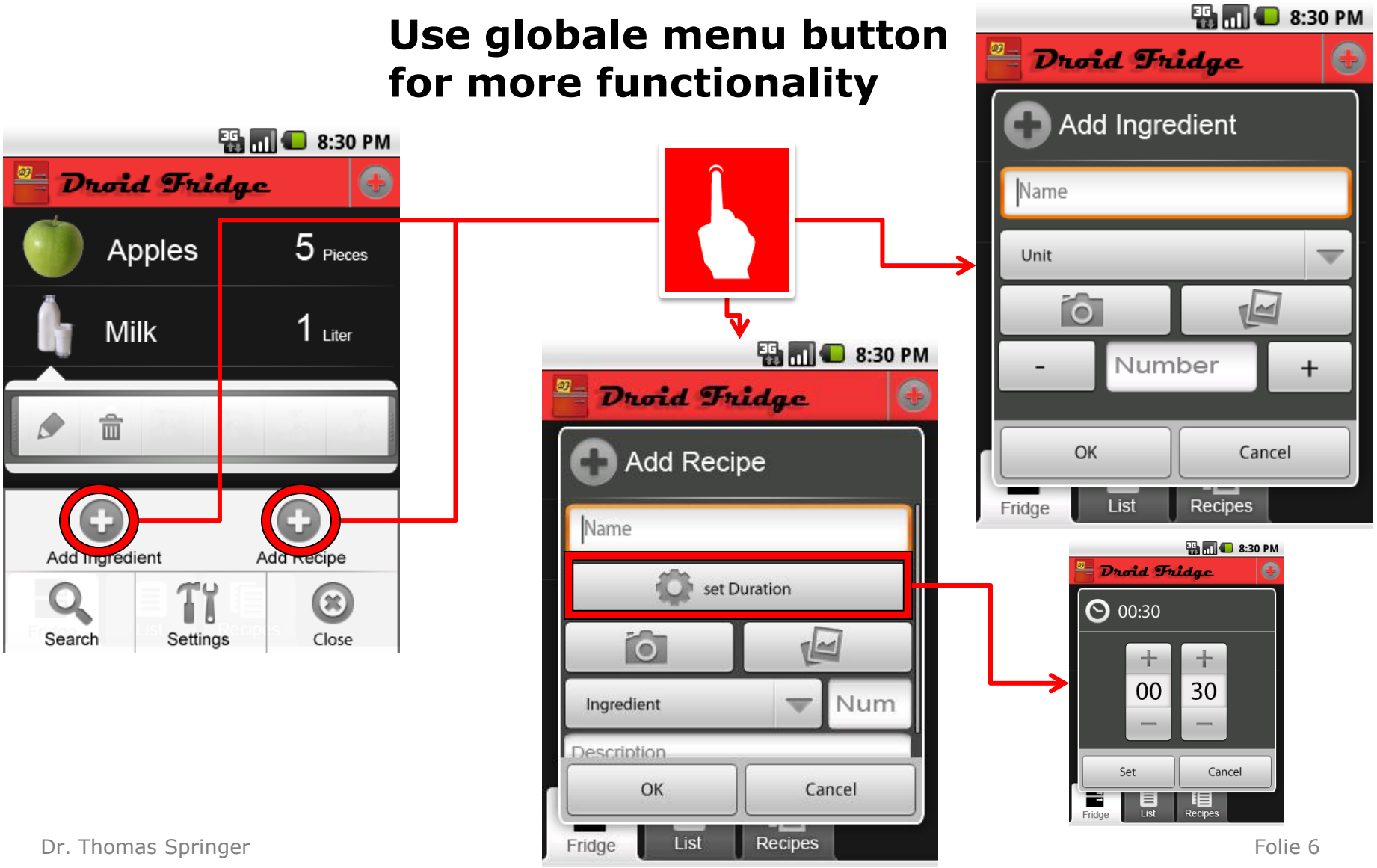




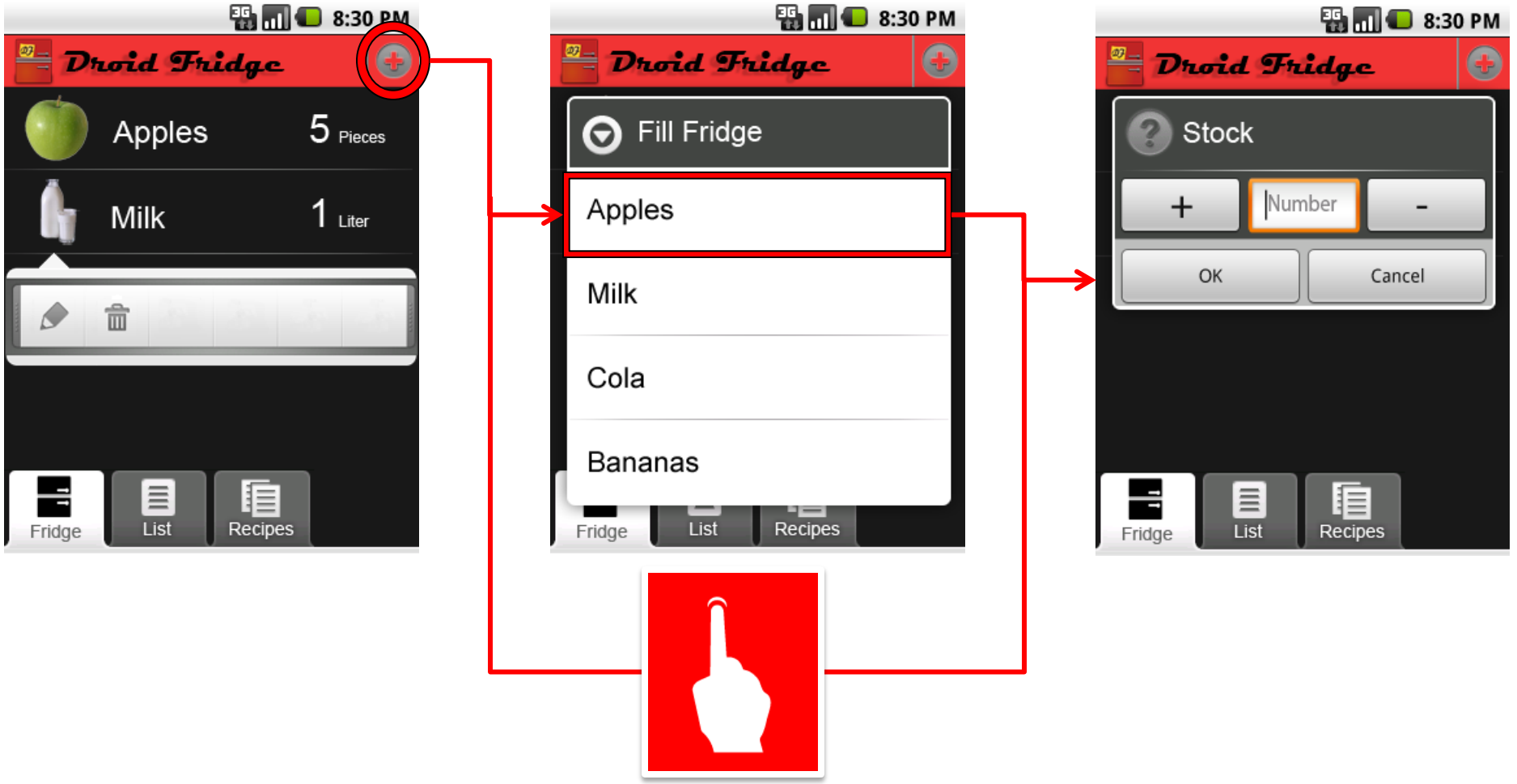
Use Quick Actions on list items

Toggle list items

Use globale menu button for more functionality

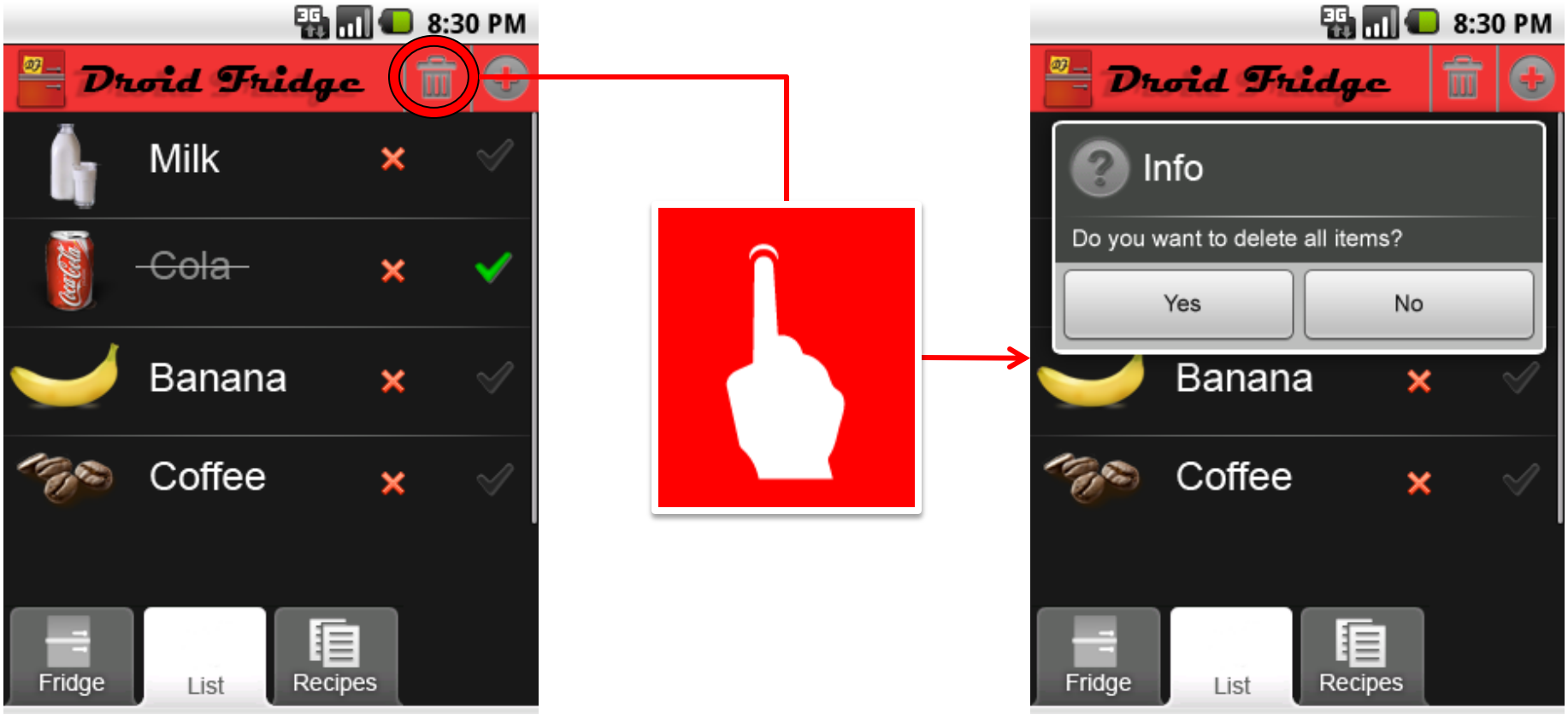


Workflow



Individual Action Bar for each View

Workflow


8:30 PM
Droid Fridge
Milk
Cola
Banana
Coffee
Fridge
List
Recipes
Info
Do you want to delete all items?
Yes
No

Technologies

- OS
  - Android 2.2
  - Java, XML
- Android UI Patterns
  - „Quick Action“
  - „Action Bar“
- Architecture
  - Include patterns to order the chaos
  - Use ORM (object-relational mapping) to handle objects
- Use what you get
  - „Text-to-Speech“ or „Voice-to-Text“
  - Camera or scanner

Challenges

- Easy and intuitiv navigation
- Less effort for the user
- Good and quick overview
- Data management

Work plan

1. Create GUI elements (2 weeks)
2. Implement all concrete functions (3 weeks)
3. Test on Devices (1 week)
4. Second presentation
5. Improve functions and design (2 weeks)
6. Input special features (2 weeks)
7. Buffer (2 weeks)
8. Last presentation