



Application Development for Mobile and Ubiquitous Computing

Seminar Task

Third Presentation

GroupNo. 1

Team: Florian Siegmund, Rico Meyer

- Goal: Simple App
 - take, upload & share link
 - based on existing image hosting service (bilderkiste.org)
 - for multi-platform mobile devices

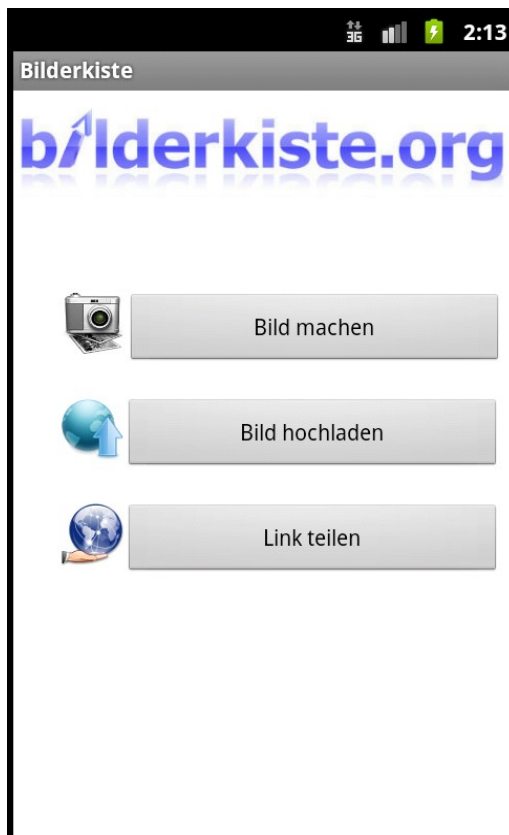


Android Version: Final Version



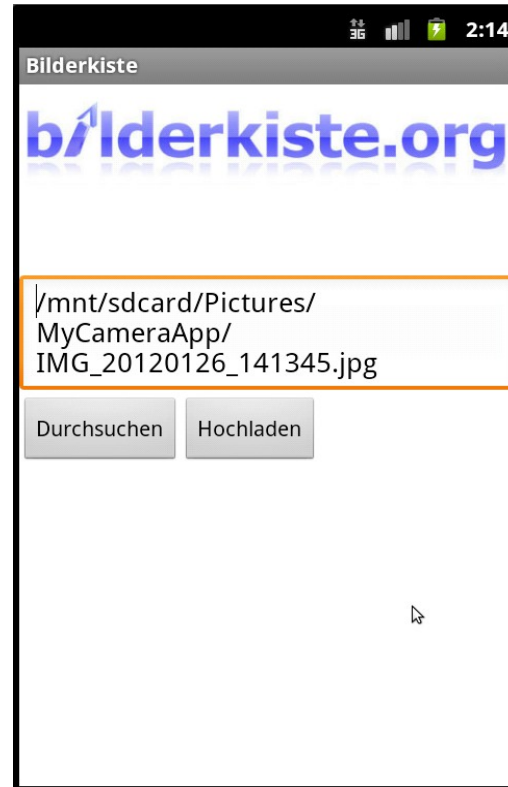
- Android 2.3.5 Gingerbread

- 1st Target: taking picture



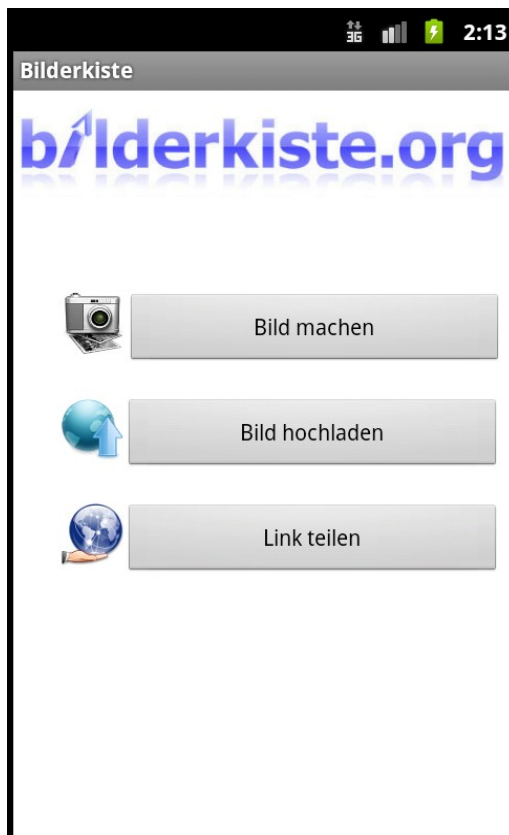
- "Bild machen" calls build-in camera app
- Picture is stored to sdcard

- 2nd Target: upload picture



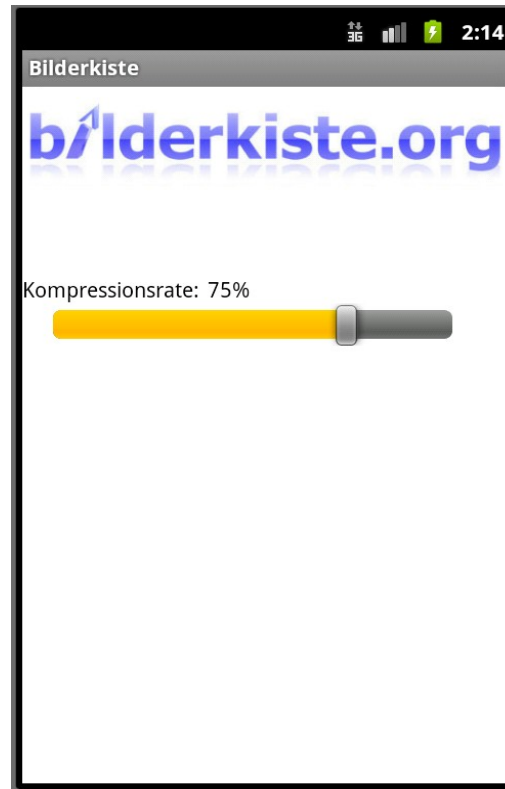
- “Bild hochladen” calls upload activity
- Select picture from file system or use taken picture to upload to bilderkiste.org

- 3st Target: sharing link



- "Link teilen" calls build-in send app chooser
- standard app to call is the e-mail client

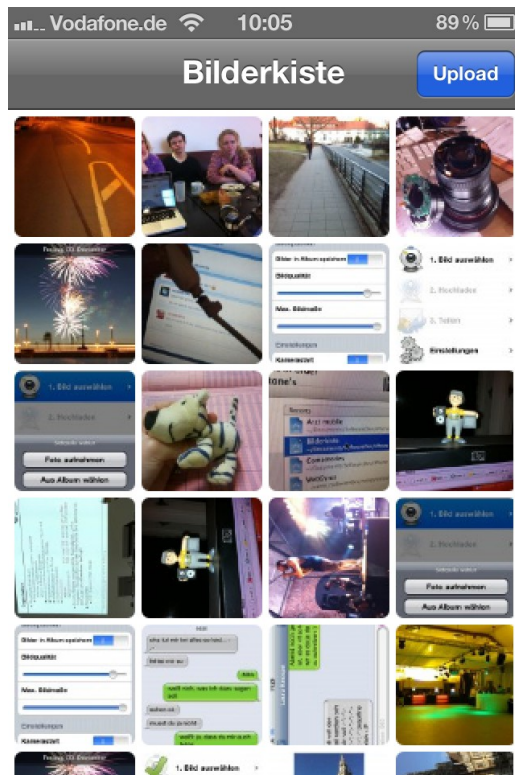
- 4th Target: resize picture



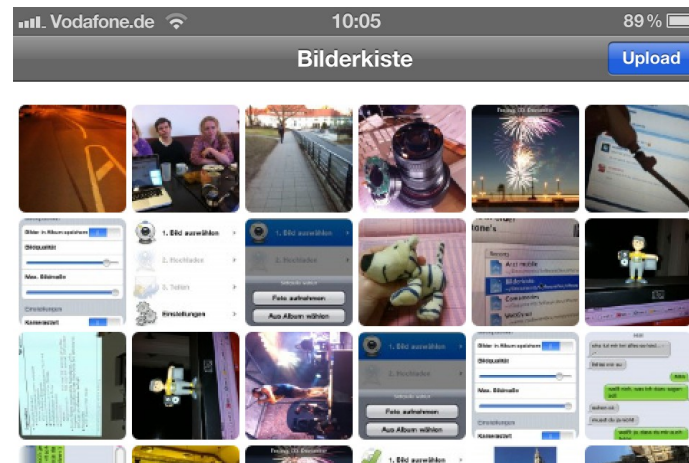
- hardware menu button calls menu
- set compression rate for the image file

iOS Version: Final Version

- Home Screen



- Gets already uploaded pictures from server
- App supports portrait and landscape orientation



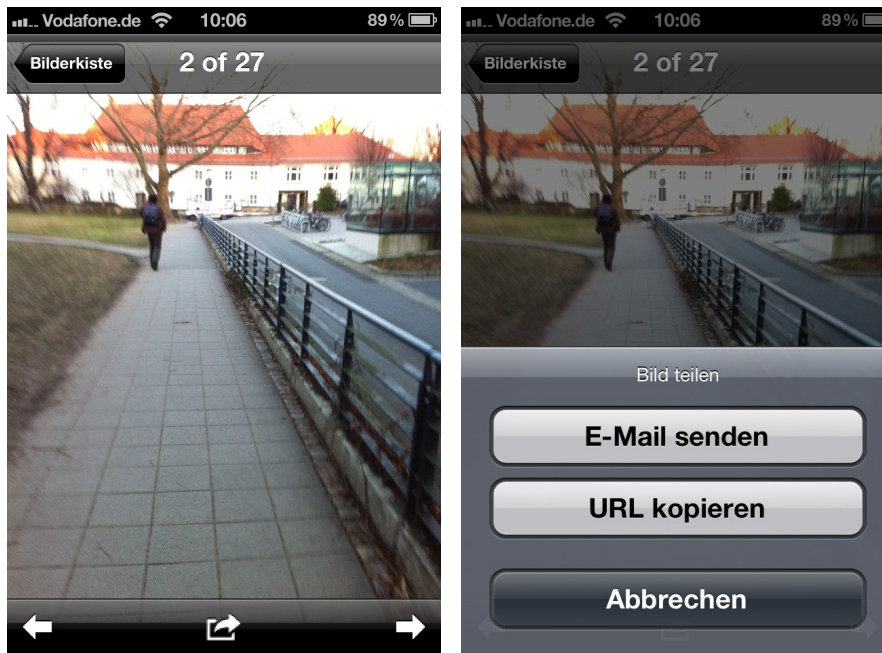
- Upload dialog



- Choose between already taken images and camera mode
- Auto-rotate and auto-compress images (max. 5 MB) before upload
- Progress bar views status
- POST-request for upload => JSON informations returned



- Image browser / share functionality



- Image viewer like “photos app”: navigate by finger-wipe, arrows and overview
- Share image URL by mail or copy link to clipboard
- Hide navigation elements by click to get fullscreen image
- Original images are loaded just when called to save traffic

- Problems tackled with
- user interface:
 - there's no given image browser by default
 - Redesign for better handling, first prototype on the right side
- Full landscape orientation support: redesign interface on device-rotation
- Down- and upload small and optimized images to save traffic, JSON server communication

