

Application Development for Mobile and Ubiquitous Computing

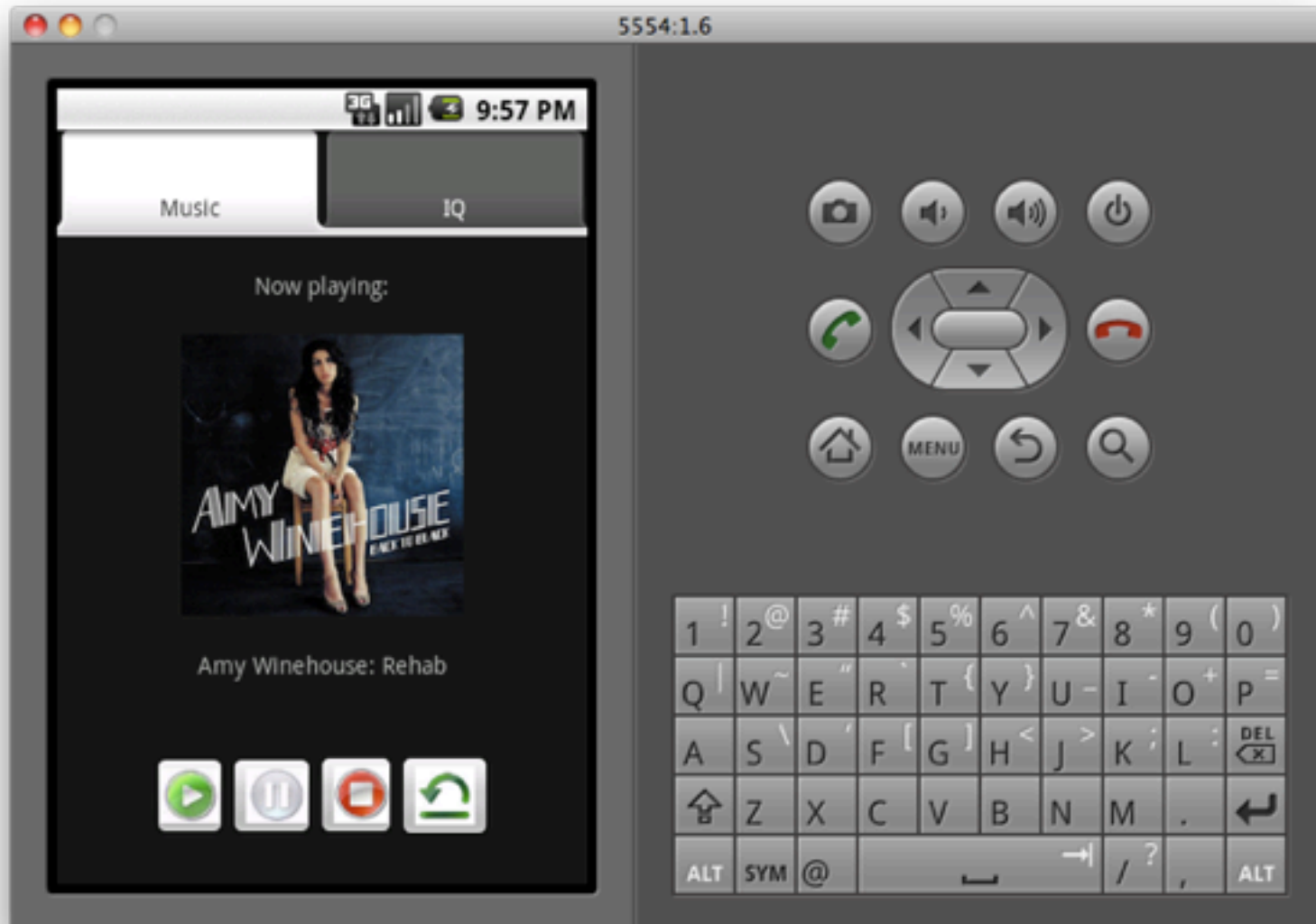
MusIQ

Second Presentation

GroupNo. 6

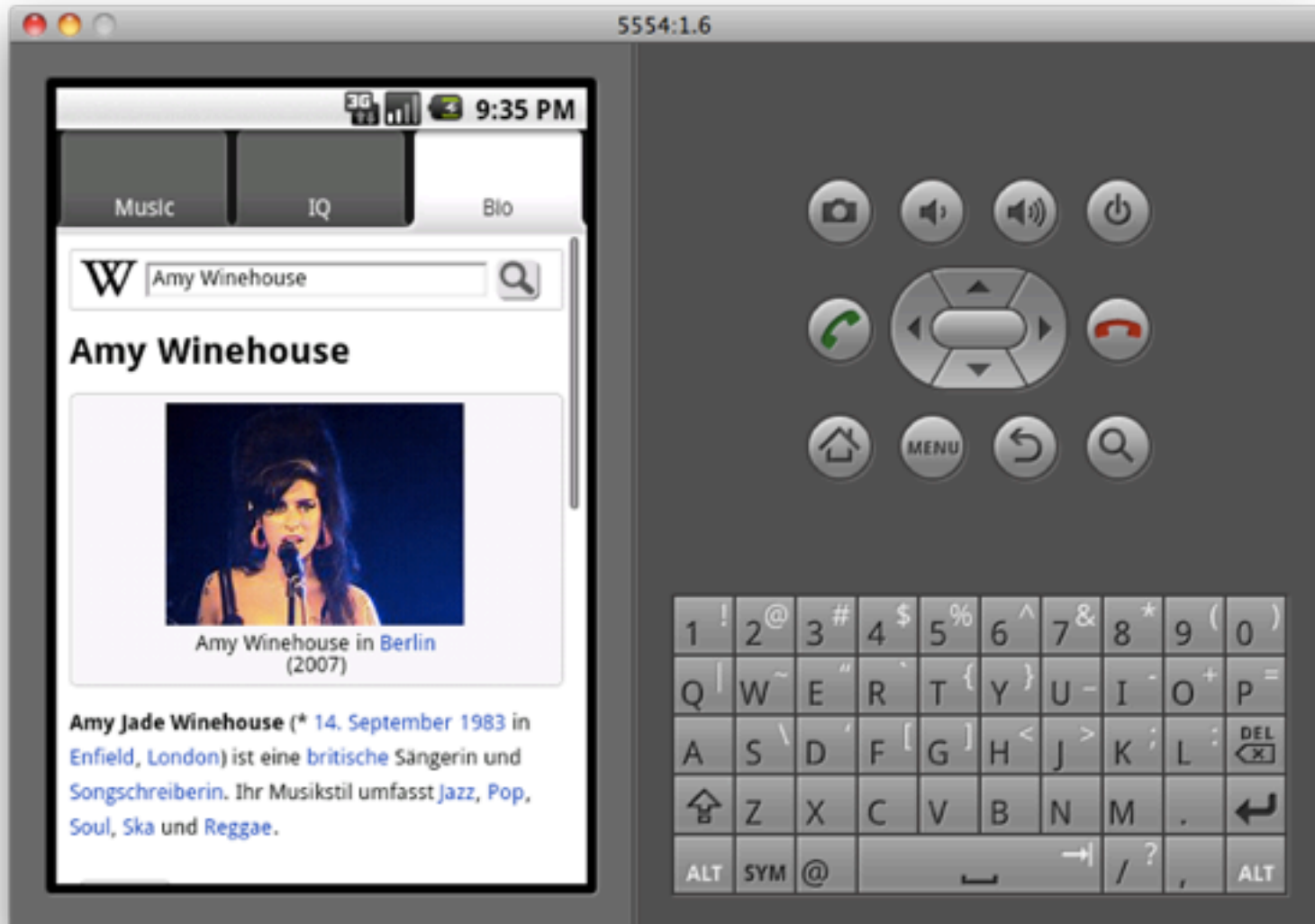
Team: Sina Grunau, Sebastian Hagedorn

- Simple music player with basic functionality
- Application fetches additional information according to currently playing song:
 - Video (from YouTube)
 - Biography (from Wikipedia)
 - Discography (from Discogs.com)
 - Events nearby (from Eventful.com)





- Source: YouTube API (REST)
- Progress: requesting & parsing the data
 - Parser: SAX
- Problem: embedding the videos
 - Flash not supported on Android
 - MP4 files not officially available
 - Stream support via RTSP



- Source: Wikipedia (MediaWiki API - REST)
- Progress: requesting & parsing the data
- Problems:
 - Limited XML access rights: use of the mobile web version
- TODO: presentation & layouting

- Source: Discogs.com API (REST)
- Progress: requesting the data
- Problem: data has to be unzipped
- TODO: filtering & presentation



- Source: Eventful.com API (REST)
- Progress: requesting, parsing & presentation of the data in a list
- TODO:
 - Search for artist or related artists (via Last.fm API request)
 - Implementation of the location-awareness

- Technological challenges:
 - Reduced network traffic
 - Adapted requests
 - No HTML representation
 - Battery life
 - All in 1 application
- Customer satisfaction
 - Easy access, no browsing necessary
 - Presentation & layout adapted to mobile device
 - Functions for the right time & place
 - Almost no user input necessary

- Reading ID3-tags from MP3s
 - Dynamic search
 - Location based service
 - Music player improvement
 - Corporate layout
 - Problem solving
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- Final presentation on 01/22
 - Submission on 02/05