

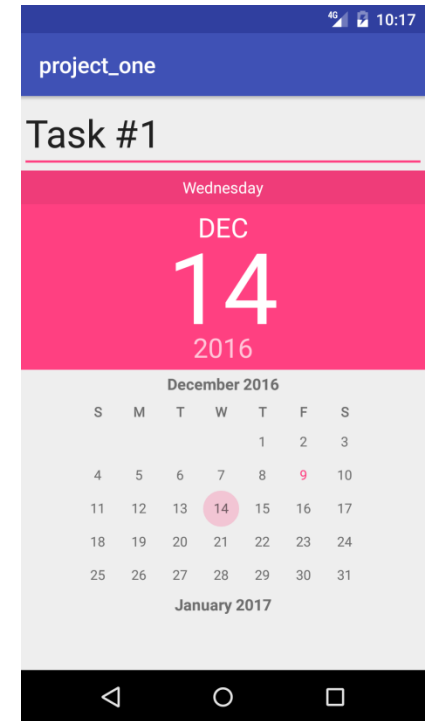


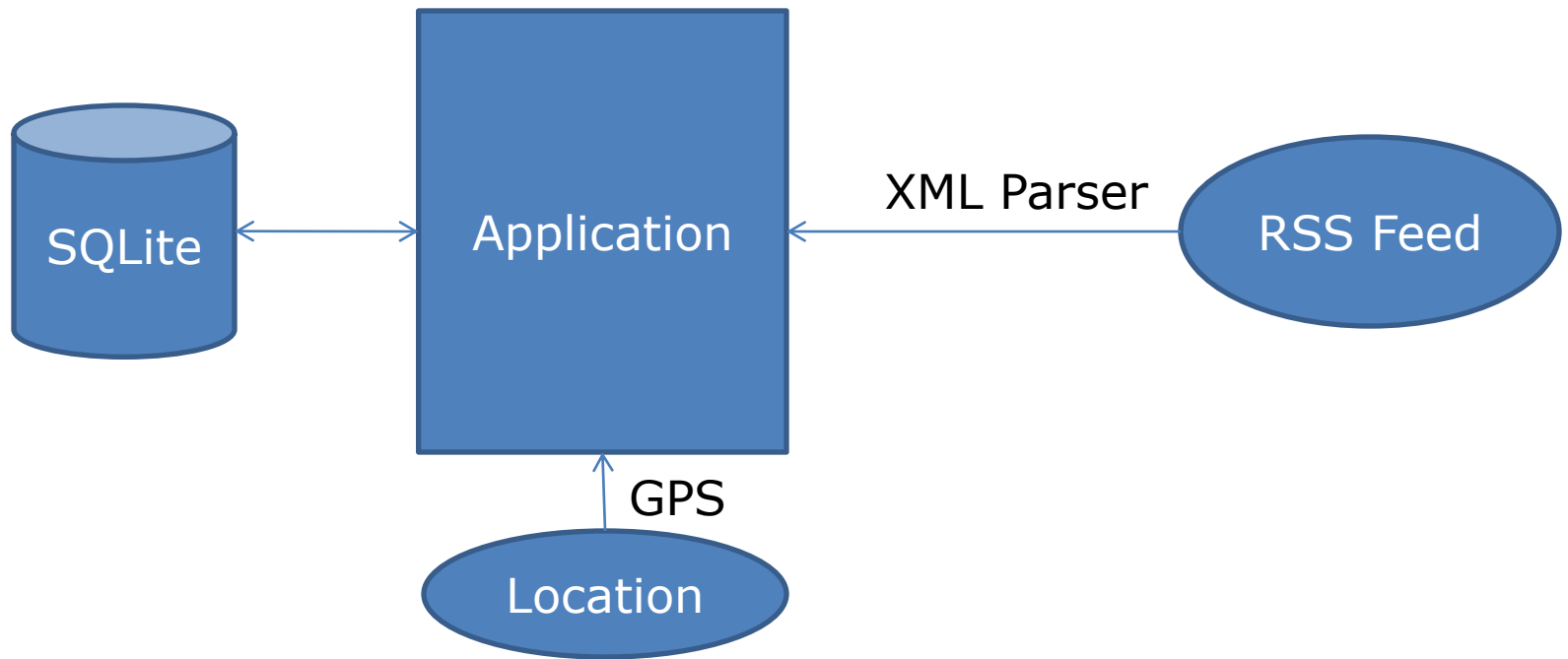
Application Development for Mobile and Ubiquitous Computing

Project: Daily Organizer

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- Presents sun sign astrology forecasts
- Allows to work with to-do list e.g. create task, see on a map, notify occasionally

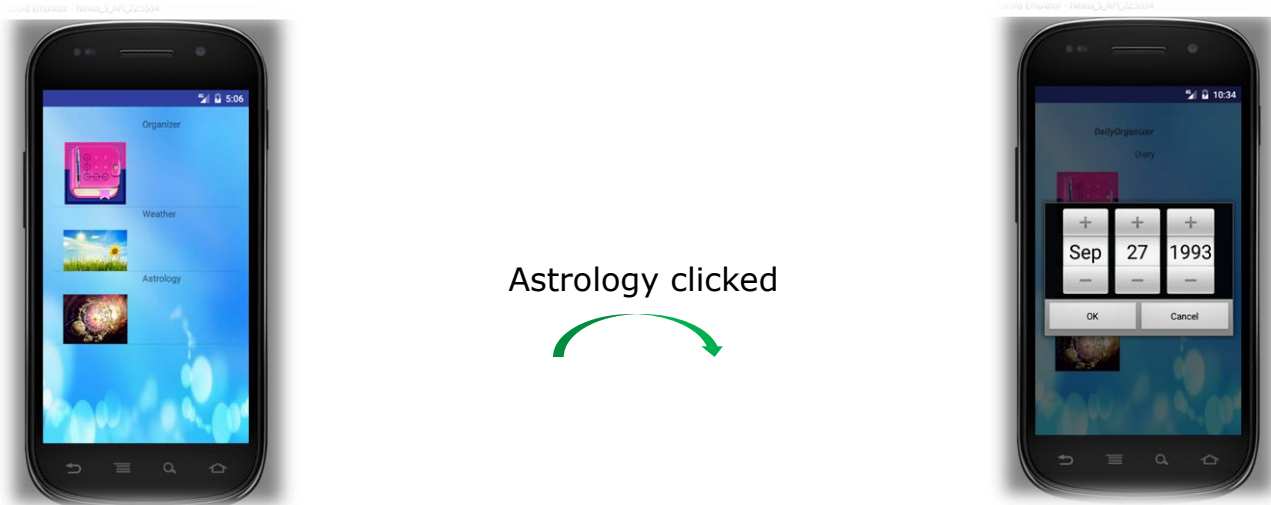




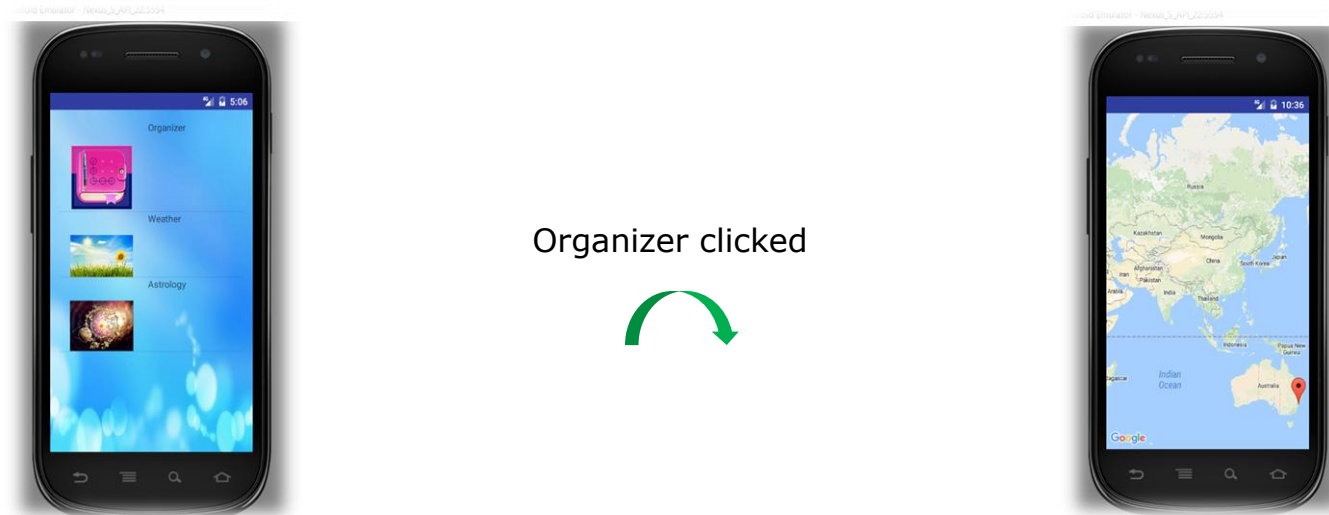
- RSS Parser – to fetch a forecast
- SQLite – to save a list of tasks (description, time, place)
- Google Maps API – to work with task locations
- Android Background Service – to make notifications
- GPS – to get a position

- Personal context: a date of birth
 - an appropriate forecast will be fetched
- Physical context: location, time
 - notifications will be shown
- Technical context: network connection type
 - fetch forecasts if certain type of connection

(Detailed adaptation techniques in next slides)



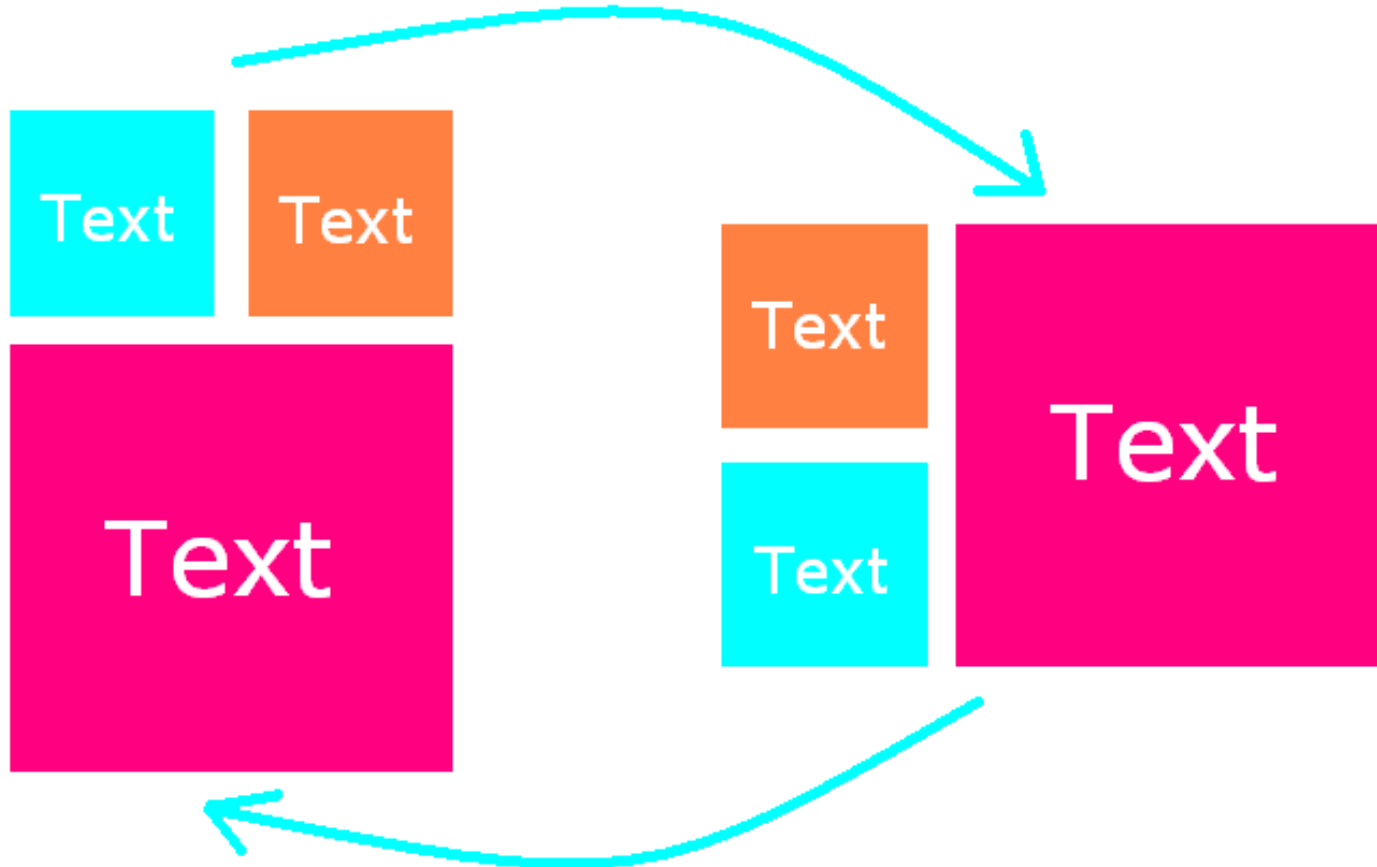
- User's sun sign is determined
- Appropriate RSS feed is chosen depending on sun sign
- Extracted by `XMLPullParser`
- A forecast is shown



- Android Background Service is running
- User is reminded about a task on time and at place
- Time by `AlarmManager`
- Position by `LocationManager.GPS_PROVIDER`



- Connection type checked
- If connection type is only WiFi forecast is fetched
- Connection type by `ConnectivityManager.TYPE_WIFI`



December – construction phase

- SQLite database
- GPS position
- Background Service

January - working application

- optimizations
- testing and bug fixes