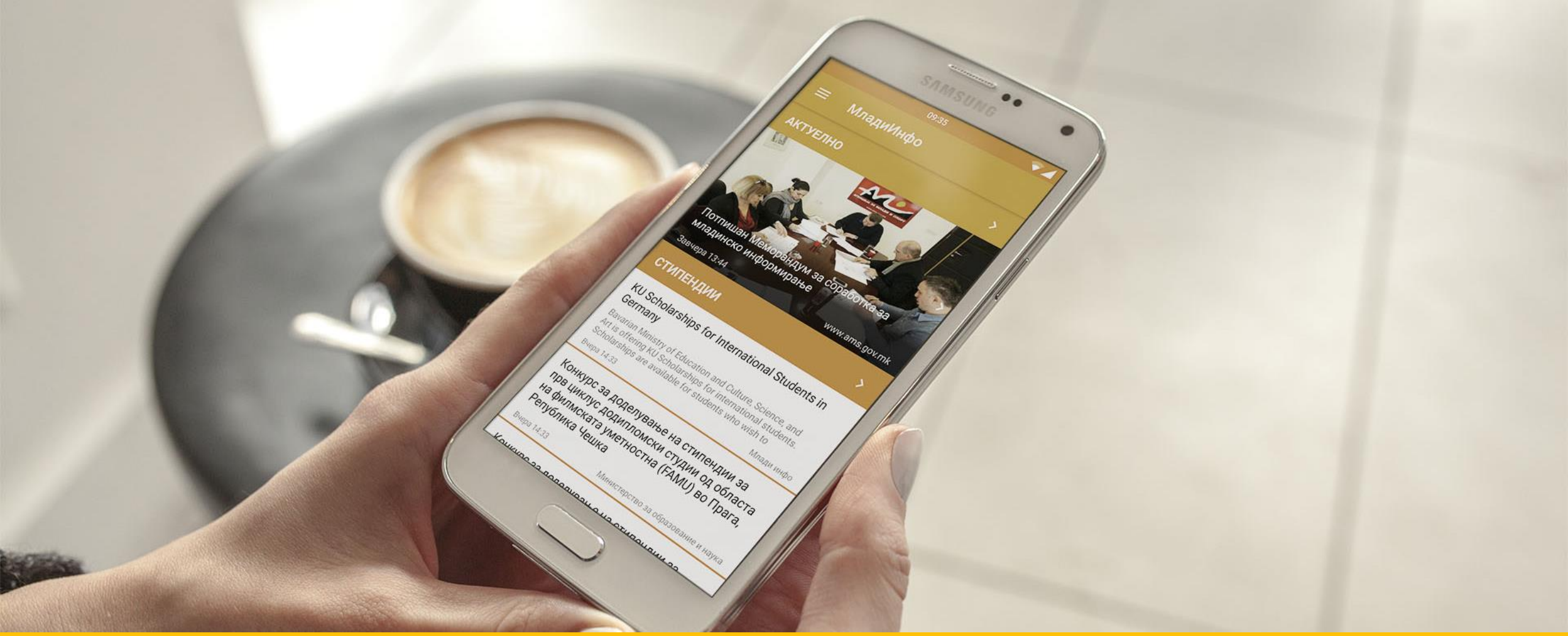
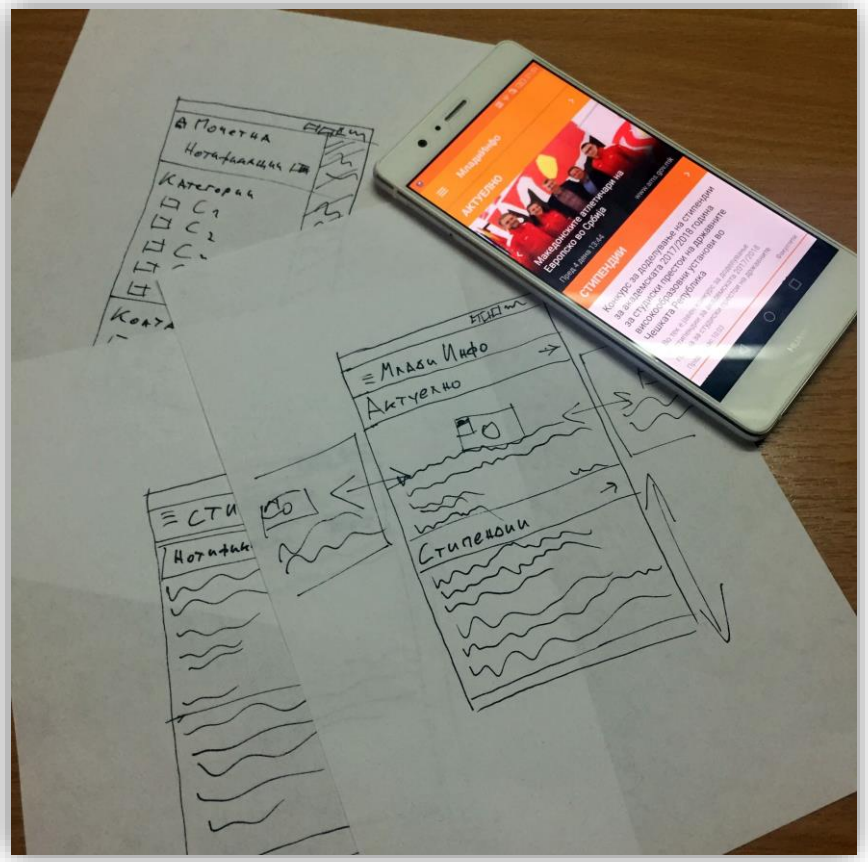


Mladi Info – Android application

Antonio Ivanovski| antonioivanovski@gmail.com

Motivation and project initialization

- Wanted to do at least fairly simple app from start to the end
- Wanted to use new and trending technologies
- Made rough sketch how the app will look
- Rough app architecture



Features

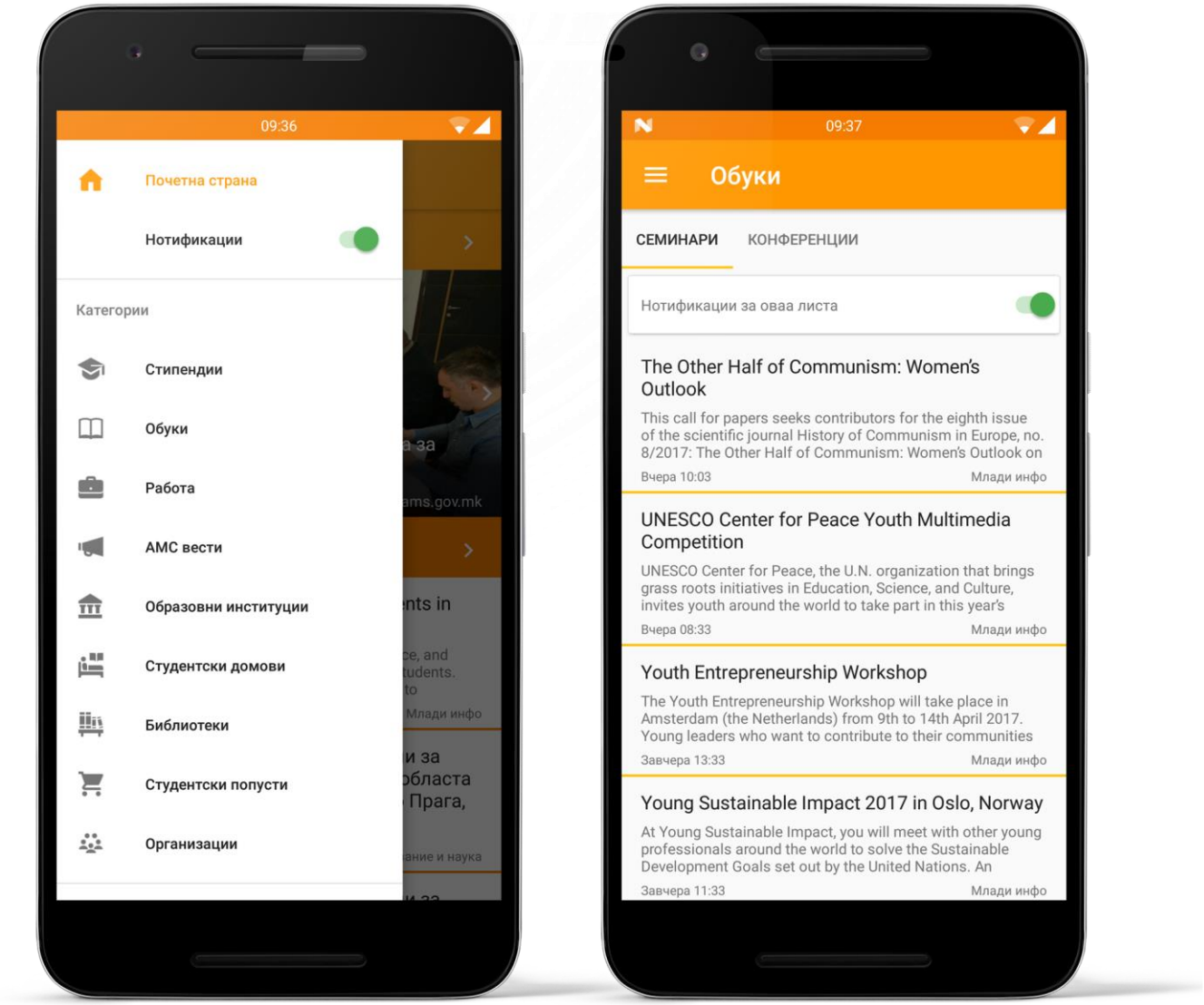
	MladiInfo app	http://mladi.ams.mk/
Trainings	✓	✓
Work	✓	✓
Events	✓	✓
Organizations	✓	✓
Scholarships	✓	✓
Educational institutions	✓	✓
Discounts	✓	✓
Articles search	✓	✓
Offline data	✓	✗
Notifications	✓	✗

Design

- Based on mladi.ams.mk
- Material design
- Compatible with small and large displays

Navigation

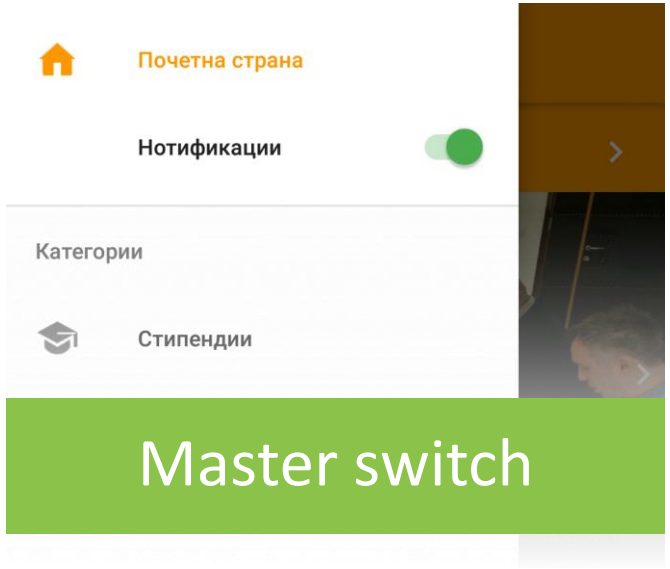
- Navigation drawer – between categories
- Tab navigation – between subcategories in one category



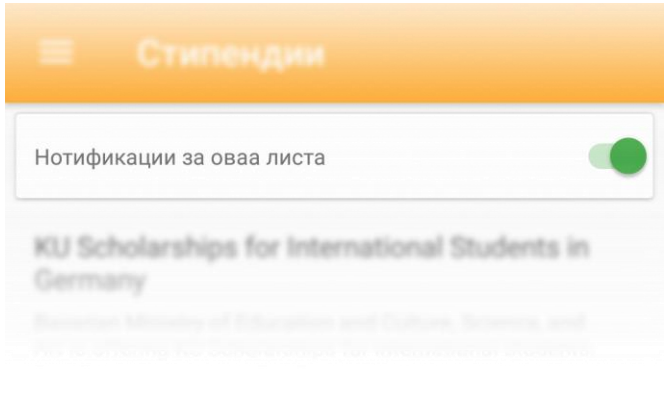
Overview page

- Quick overview of the latest articles
- Personalization of the categories to show

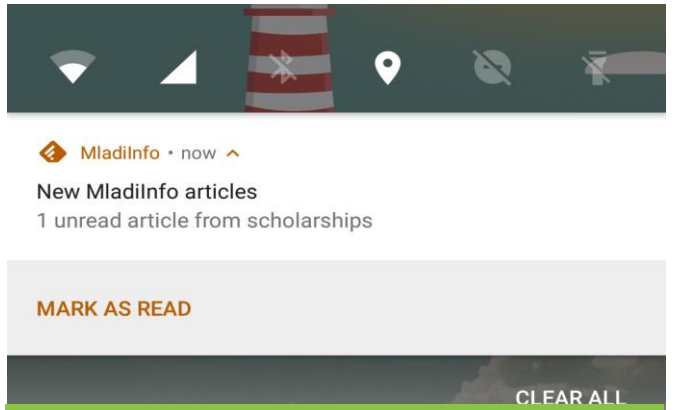
Notifications



Master switch



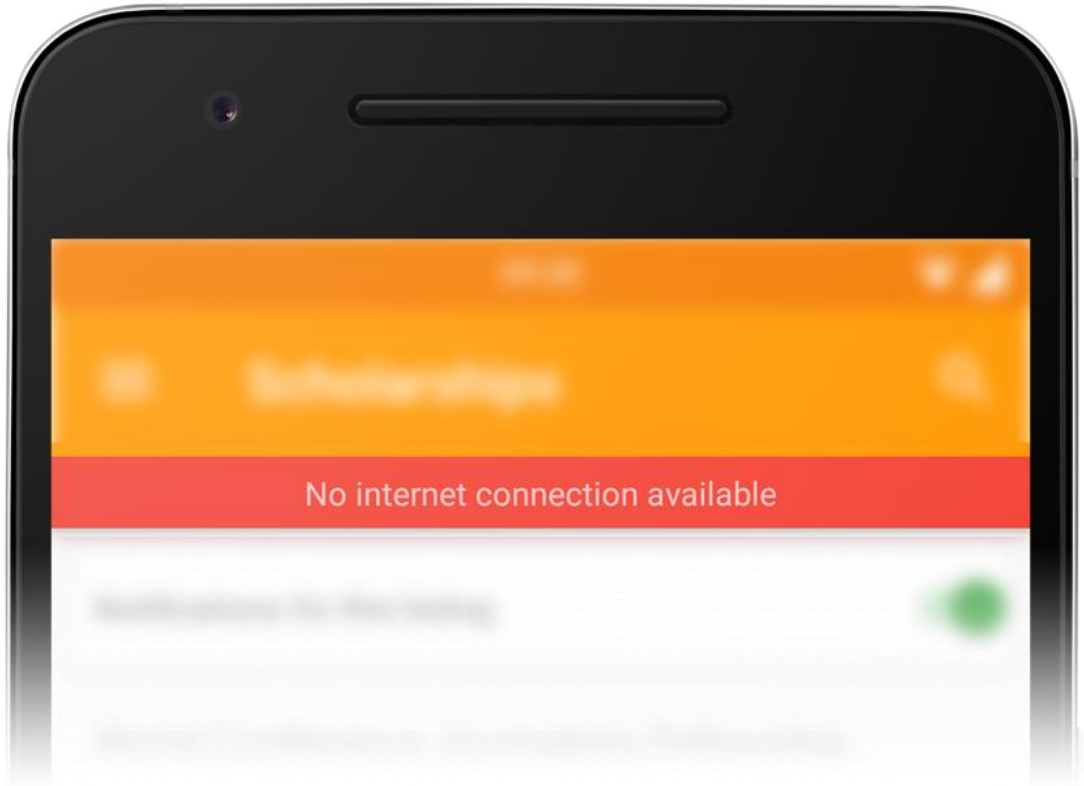
Granular notifications



The notification

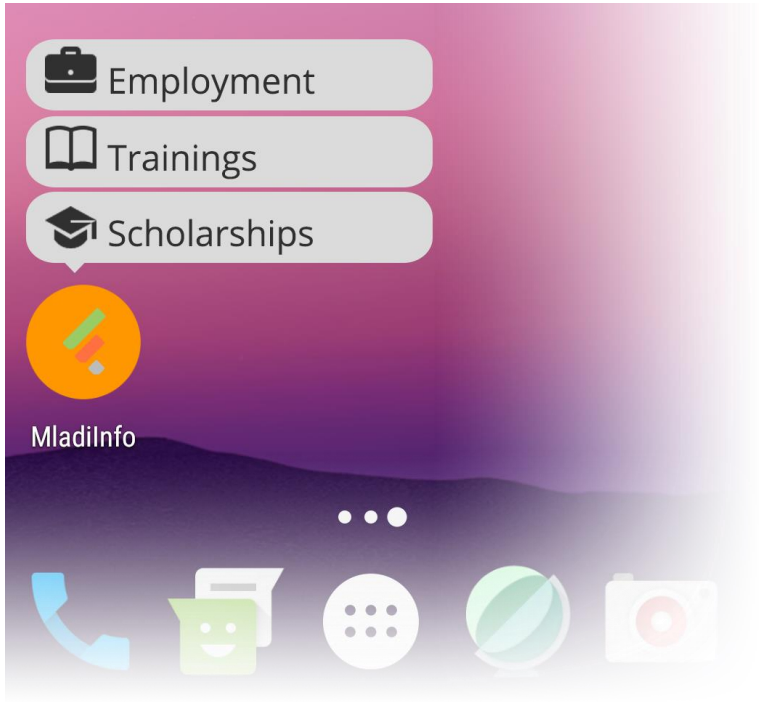
Offline data

- Used when no or slow internet connection
- Primary useful for contacts and locations

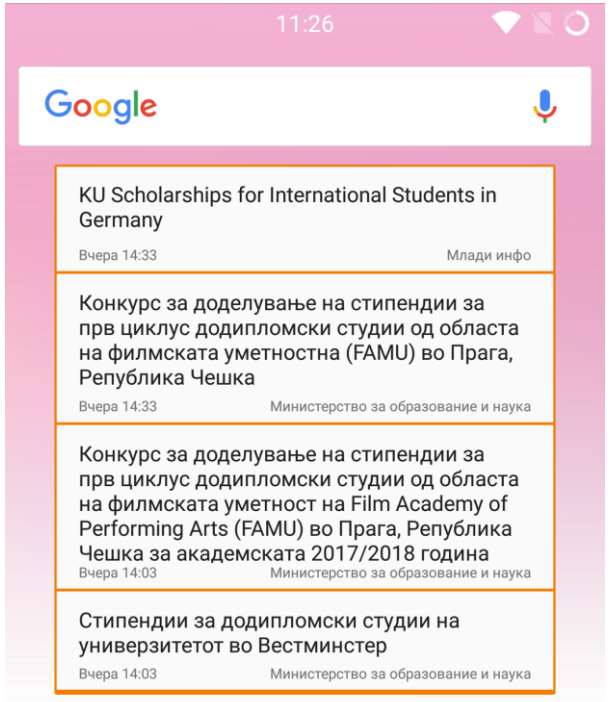


Future work

APP SHORTCUTS



WIDGET

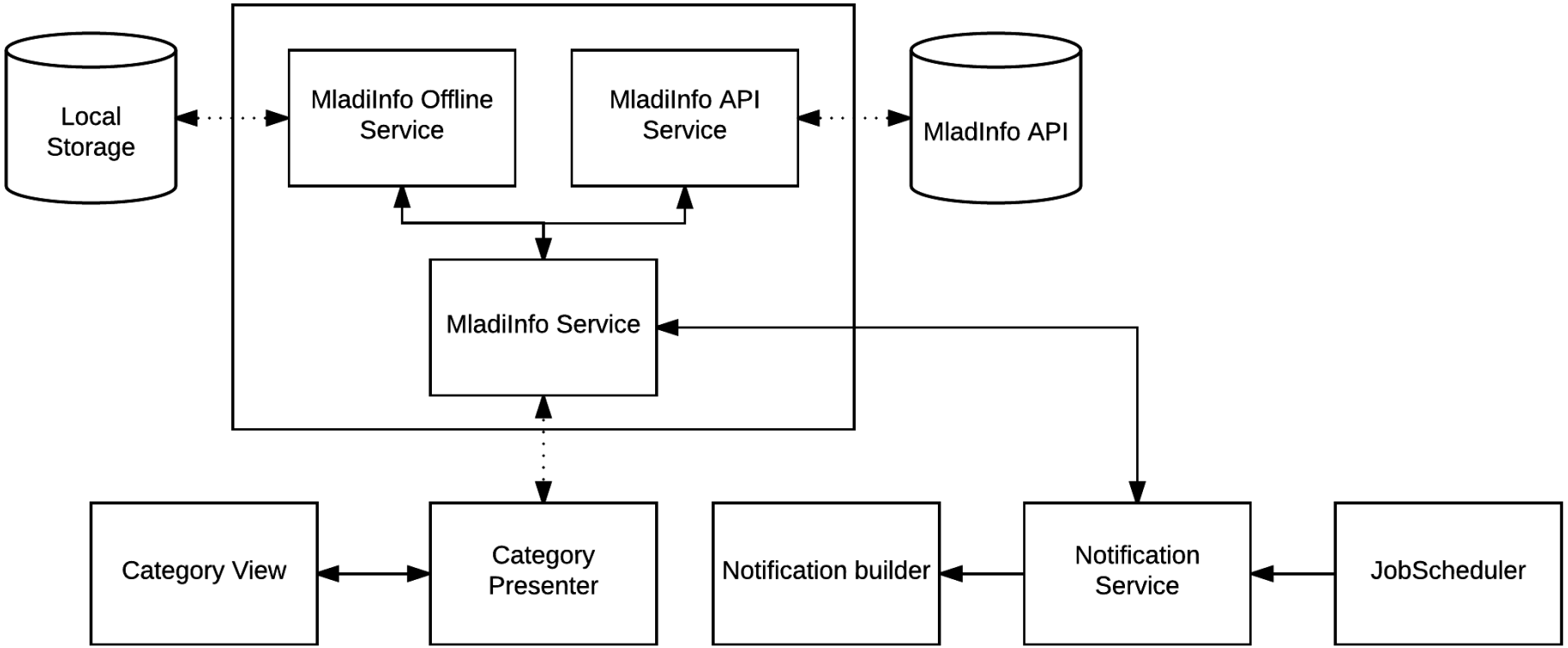


Technologies used

- Kotlin: Statically typed programming language for the JVM, Android and the browser
- Retrofit: Type-safe HTTP client for Android and Java by Square, Inc.
- Epoxy: Android library for building complex screens in a RecyclerView.
- Glide: Fast and efficient open source media management and image loading framework for Android.
- Icons8: Single icon pack with 38100 free icons. Each icon is in 5 flat styles. Download as PNG, SVG, or as a font

- Full implementation available on GitHub: github.com/toteto/MladiInfo

Basic architecture



Adding additional categories

```
class Category() {
    // Category code here

    class Factory {
        fun getTrainingCategory() = Category()
            .addSubcategory(
                id = seminarId,
                call = MladiInfoApi.getTraining(),
                filter = { item.isSeminar }
                bindData = { listAdapter.bindAricleItems(items) })
            .addSubcategory(
                id = conferenceId,
                call = MladiInfoApi.getTraining(),
                filter = { item.isConference }
                bindData = { listAdapter.bindAricleItems(items) })
    }
}
```

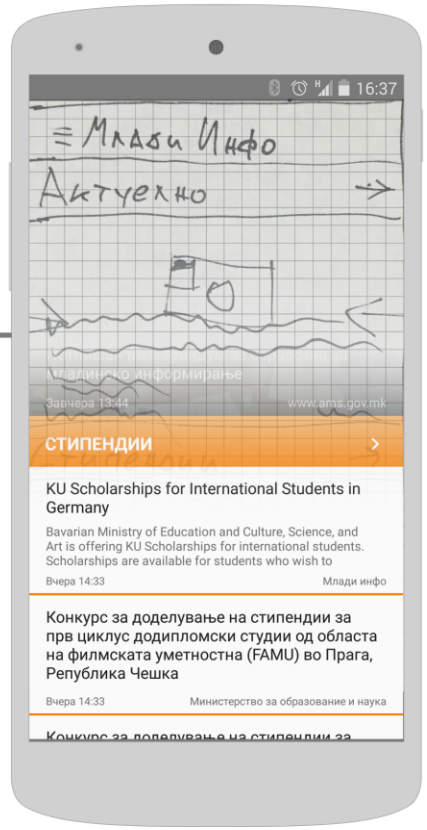
- Dynamic building of each category
- Grouping of equal API requests
- Filtering of the data response from the API
- Custom data binding of each subcategory

Thank you for your attention

Questions?

СИТЕ ИНФОРМАЦИИ ЗА МЛАДИ

НА ЕДНО МЕСТО

МладиИнфо

GET IT ON Google Play