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Obiettivo

- Diffusione di strumenti LLM in tempi recenti
- ChatGPT, Gemini, Copilot...
- Quanto supporto può fornire uno strumento come ChatGPT agli sviluppatori?



Metodo di verifica

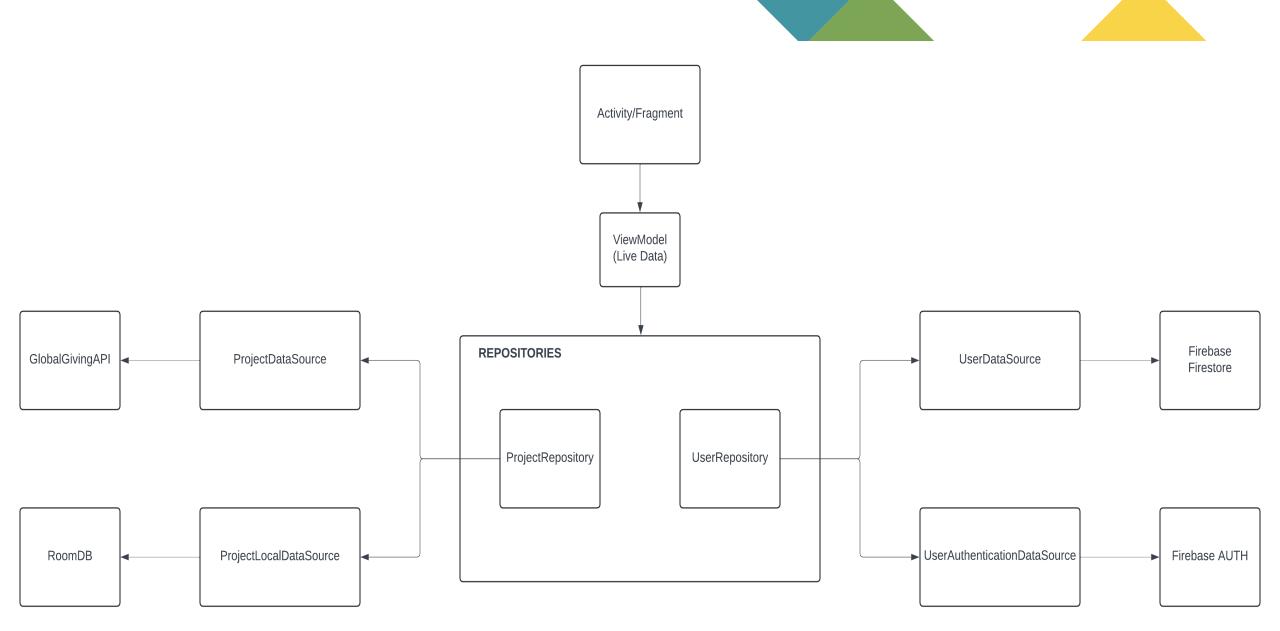
- Sviluppo di un'applicazione nell'ambito sociale
- Annotazione delle richieste a ChatGPT utilizzando un diario nelle seguenti fasi:
 - Requisiti
 - Progetto architetturale
 - Sviluppo
 - Testing



Requisiti dell'applicazione

- Registrazione
- Login
- Logout
- Visualizzazione progetti
- Visualizzazione dettagli progetto
- Filtraggio progetti
- Donazione

Architettura



Testing

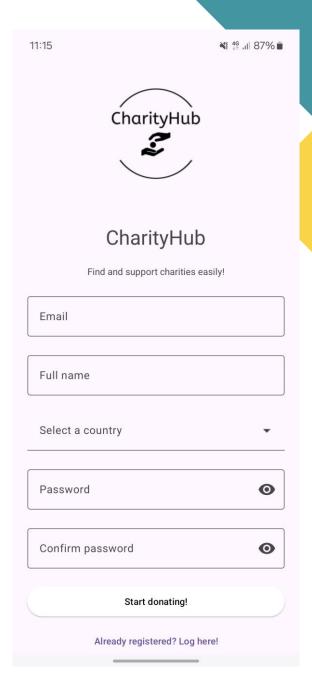
Strumenti utilizzati:

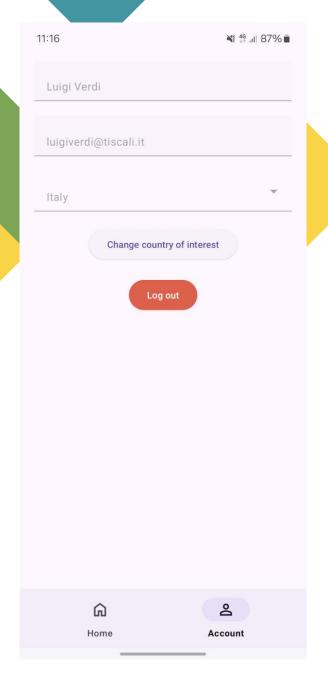
- Mockito
- Espresso
- Roboelectric

Test effettuati:

- Repositories
- ViewModels
- U

```
no usages 🚨 Marconapoo
public void testOnProjectsLoaded() {
    ProjectsApiResponse projectsApiResponse = mock(ProjectsApiResponse.class);
    ProjectsApiResponse.Search search = mock(ProjectsApiResponse.Search.class);
    ProjectsApiResponse.Response response = mock(ProjectsApiResponse.Response.class);
    ProjectsApiResponse.ProjectData projectData = mock(ProjectsApiResponse.ProjectData.class);
    List<Project> projectList = new ArrayList<>();
    Project project = mock(Project.class);
    projectList.add(project); // Add a mock project to the list
    when(projectsApiResponse.getSearch()).thenReturn(search);
    when(search.getResponse()).thenReturn(response);
    when(response.getProjectData()).thenReturn(projectData);
    when(projectData.getProjectList()).thenReturn(projectList);
    when(project.getTitle()).thenReturn( value: "Project Title");
    projectRepository.onProjectsLoaded(projectsApiResponse);
    verify(projectLocalDataSource).insertProjects(projectsApiResponse);
@Test
public void testOnFailureFromRemote() {
    String error = "error message";
    projectRepository.onFailureFromRemote(error);
    ArgumentCaptor<Result.Error> captor = ArgumentCaptor.forClass(Result.Error.class);
    verify(projectsLiveData).postValue(captor.capture());
    assertEquals(error, captor.getValue().getErrorMessage());
```





11:16

¥ 4G+ ... 87% ■

Animal Welfare

Child Protection

Climate Ac



"Great against cancer family homes" for children

Current donation progress

Find out more



Social Housing for struggling women in Milan

Current donation progress



Home

Account

¥8 4G ... 87% ■ 11:16



Summary

Children affected by cancer are subjected to long and exhausting treatments for several months, often far away from home, school, friends. This means a big burden for families, both for their finance and for their mental health. Help Soleterre Foundation host children with cancer and their families in the "Great Against Cancer Family Homes", close to hospitals. Here they can find a comfortable place to stay for free along with their parents and siblings while going under cancer treatment.

Support this project

11:20

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"Great against cancer family homes" for children

€21027.7 raised of 40000.0

265 donations

18972.3 to go

20€

Materials for drawing and other recreational activities for 4 children per month

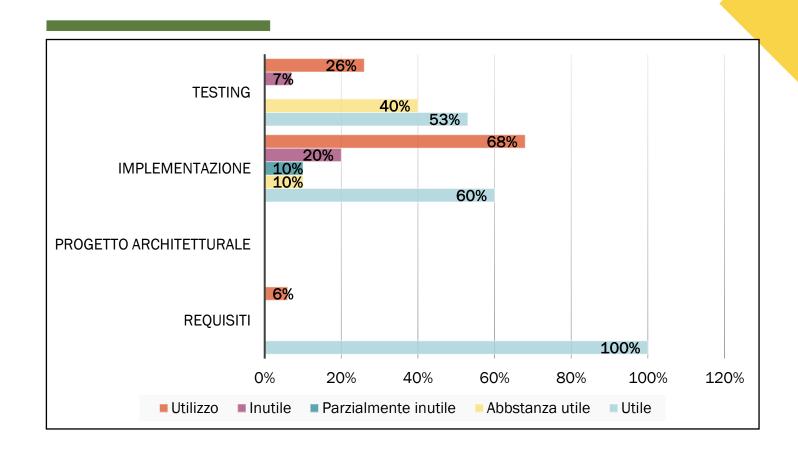
60€ 3 meals per child+caregiver per month

Medications to address chemotherapy side 71€ effects and/or other symptoms for a child per month

Return transport cost for a child+caregiver 150€ to go home in between the chemotherapy cycles

Salaries for the staff working in the Family Homes per month

Utilizzo di ChatGPT



Conclusioni

- LLM per programmatori esperti e principianti
- Risorsa aggiuntiva a quelle esistenti
- ChatGPT è uno strumento e non un sostituto
- L'importanza delle conoscenze pregresse

