



SocIT

Manuel Martinez Arizmendi  
Alejandro Nicolas Llor  
Lazaro Sanchez Campos

# Abstract

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**SoclIT** is an app that allows students from IIT to quickly create and join events in the community, letting them easily find people with the same interests, strengthening the interaction between students and the university, **centralizing** all the plans posted in different social networks or university web page and favouring participation.

**By students for students.**

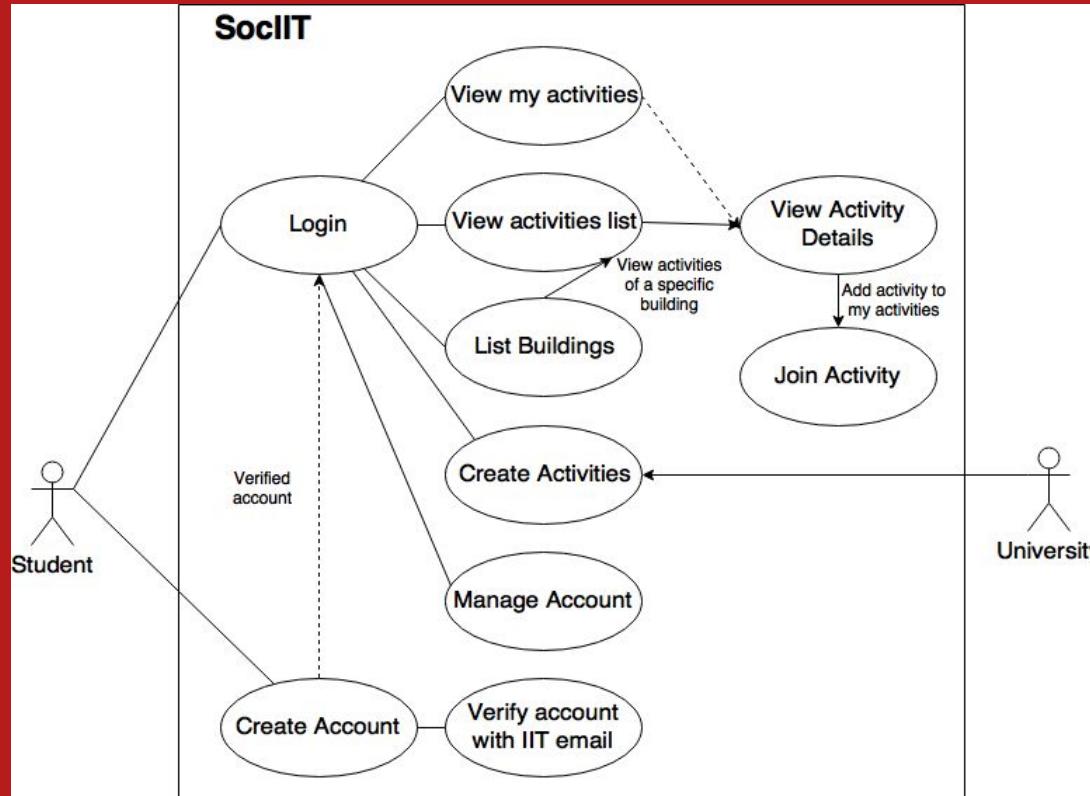
# Summary

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SoclIT is...

- Android app that lets the user find any other user within the university area with the same interests and hobbies.
  - Users are restricted to IIT community.
- Fast event planner and organizer for the community as well as information about the university's scheduled events and news.

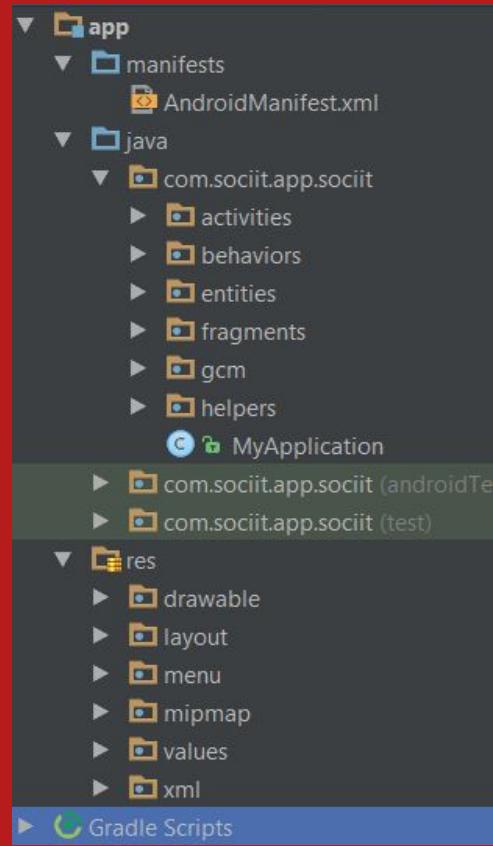
# What can the user do?



# Design and development

# Design and development (I)

- Application structure
  - Well defined organisation
- Based in fragments once user is logged in
- SQLite database with tables for...
  - Activities
  - Buildings
  - Users
  - Activities with users



```
app
  manifests
    AndroidManifest.xml
  java
    com.sociit.app.sociit
      activities
      behaviors
      entities
      fragments
      gcm
      helpers
    MyApplication
  res
    drawable
    layout
    menu
    mipmap
    values
    xml
  Gradle Scripts
```

# Design and development (II)

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- Development stages
1. Application basic features
    - Database creation (SqlHelper)
    - Login/Register/Home screens
    - Basic functionality (login, create account and see activities)
    - Building and activity lists displayed
    - Map with markers
    - Basic fragments created (Home, About, Activity, Building)

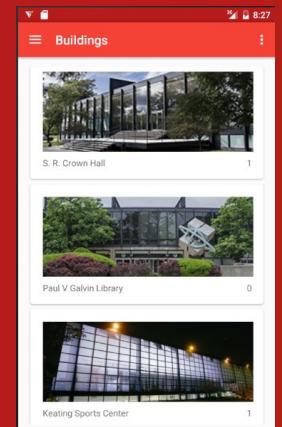
# Design and development (III)

## 2. Logic implementation and enhanced user design

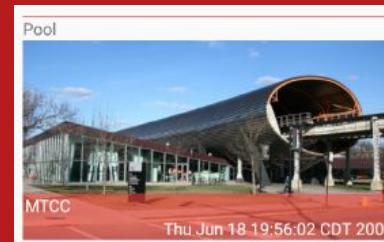
- Restriction to IIT emails for registering, check for invalid username/password, error messages
- Buttons to join and leave activity
  - Only a user who is not the owner will be able to leave a joined activity
- New buildings with pictures associated



- Activity creation implemented (floating button) with time and date stamp



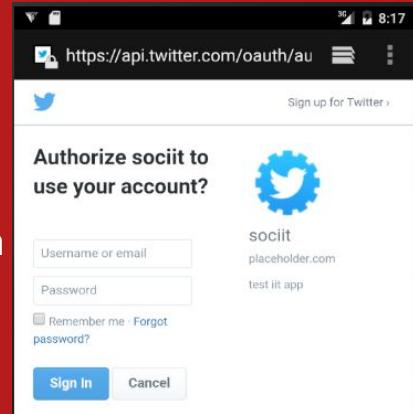
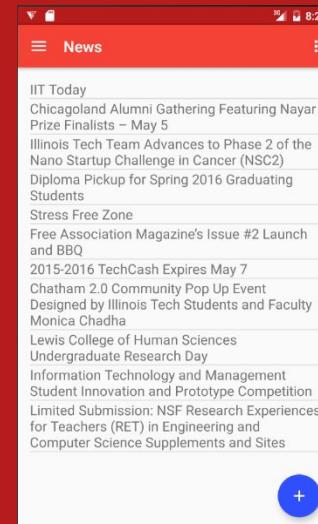
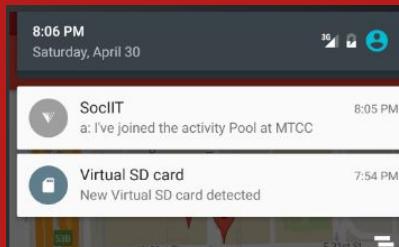
- Activity list displays time, date and place for the event



# Design and development (IV)

## 3. Advanced features implementation

- Twitter integration
- Notifications implementation
  - When a user joins an activity, all the users will receive a notification

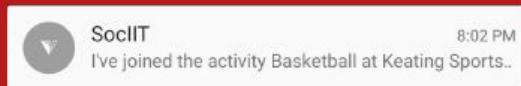


- RSS from IIT news web page included
- Final bug testing

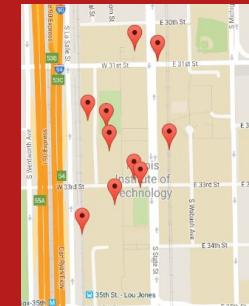
# Design and development (V)

- SoclIT implements...

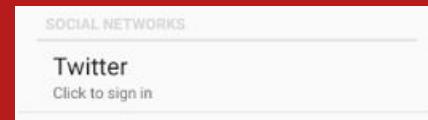
✓ Notifications



✓ Maps



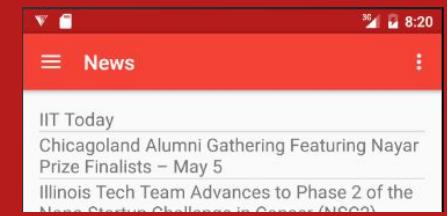
✓ Social Media integration



✓ Google Analytics for Android



✓ Dynamic data consumption from web services



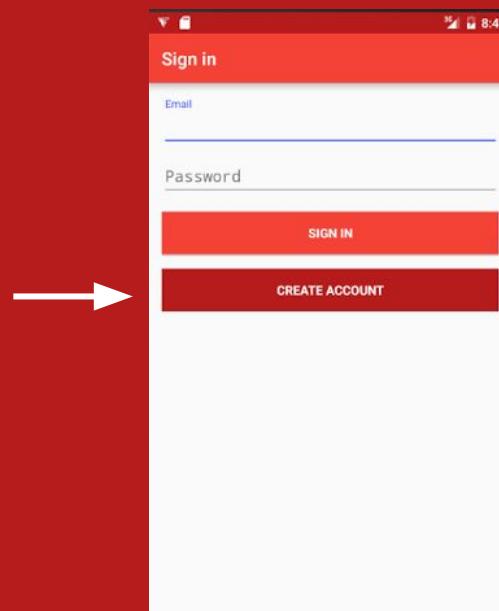
# Functionality and screenshots

# Functionality (I)

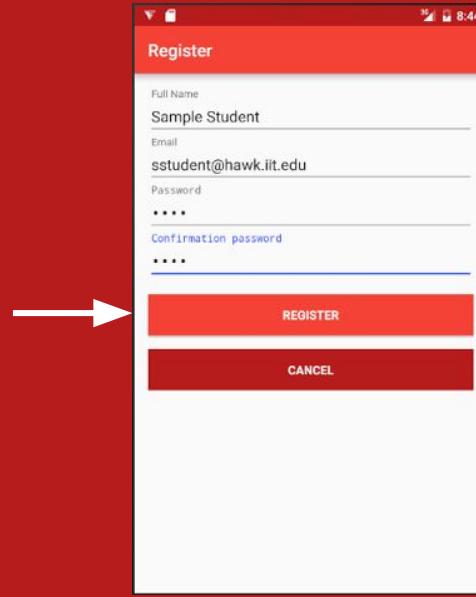
- First time using the app
  - Opening the app and register process



Splashscreen



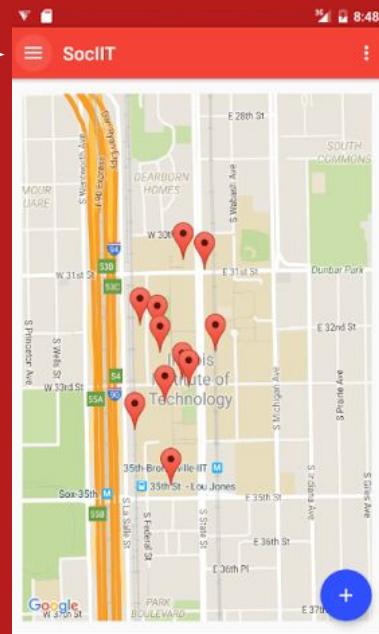
Login screen



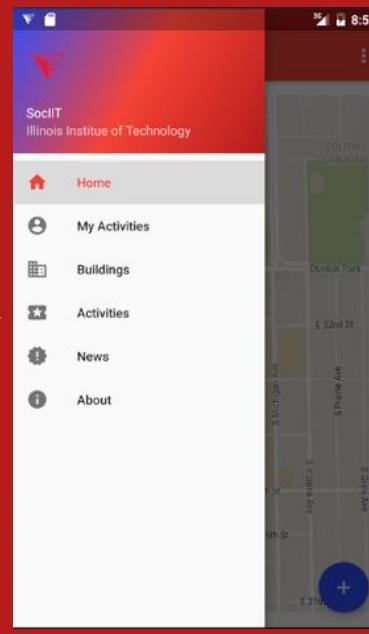
Register screen

# Functionality (II)

- Looking for activities and joining one



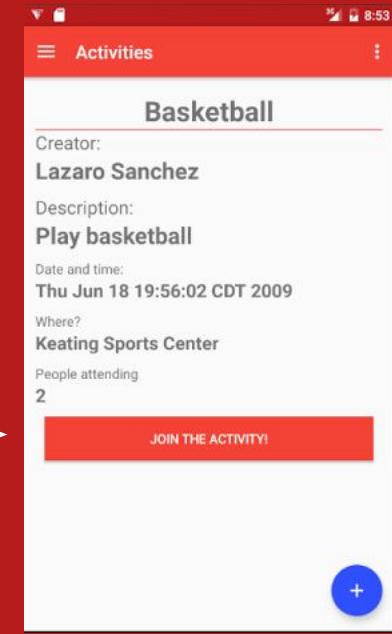
Home



Menu



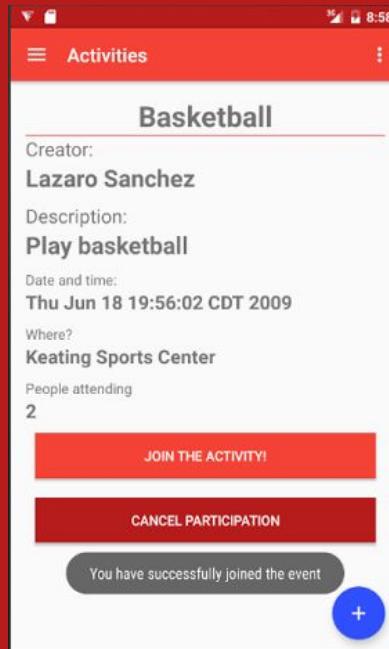
Activity list



Activity details

# Functionality (III)

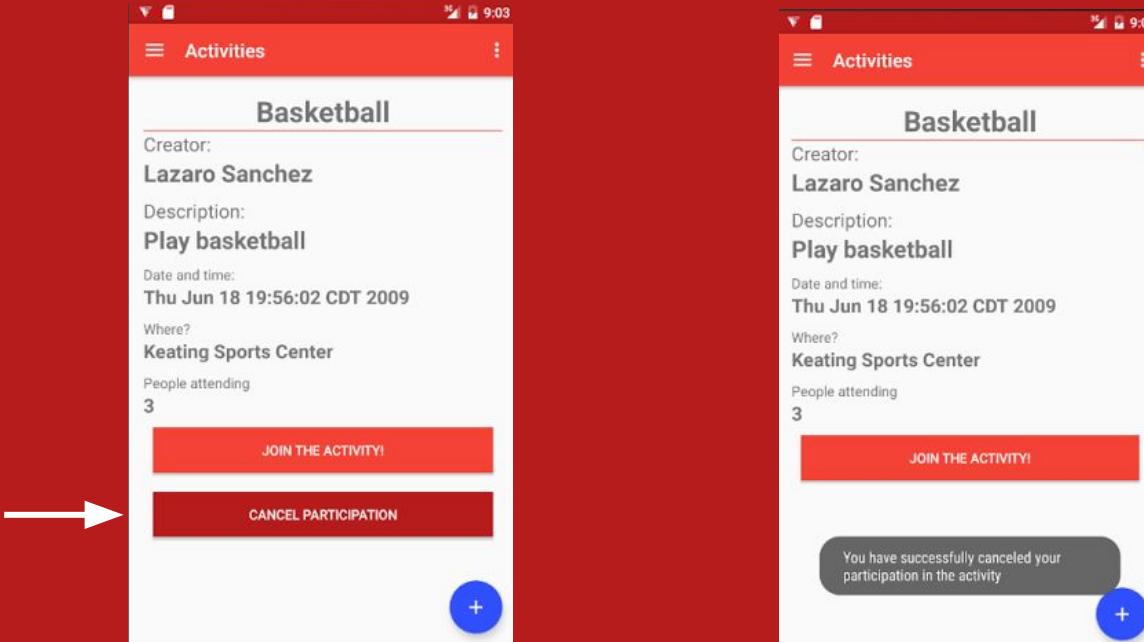
- Looking for activities and joining one (cont.)



Join button clicked

# Functionality (IV)

- Leaving an activity

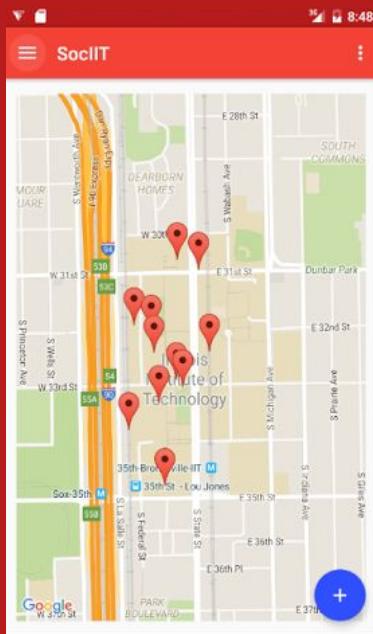


Activity where the user is registered

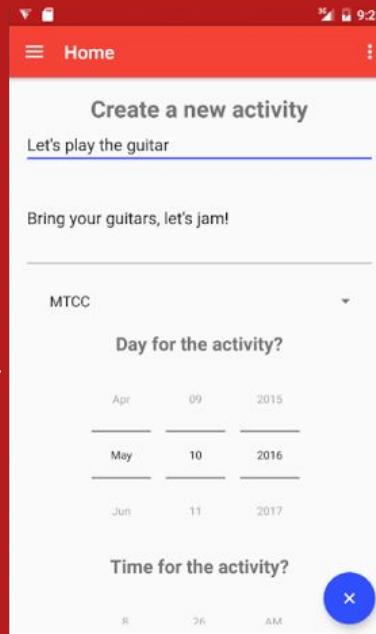
Cancel button clicked

# Functionality (V)

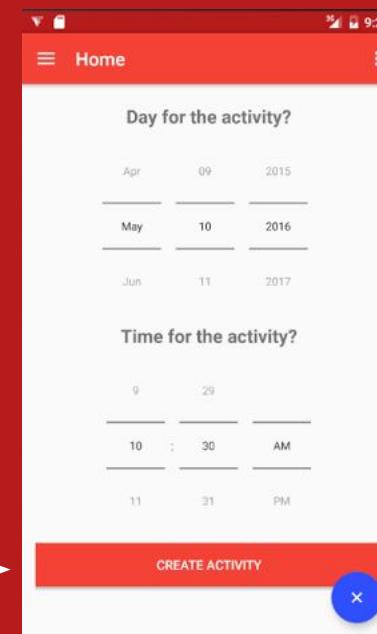
- Creating an activity



Home



Create activity



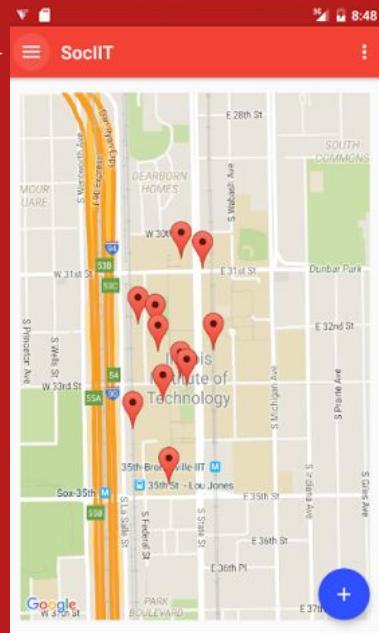
Create activity



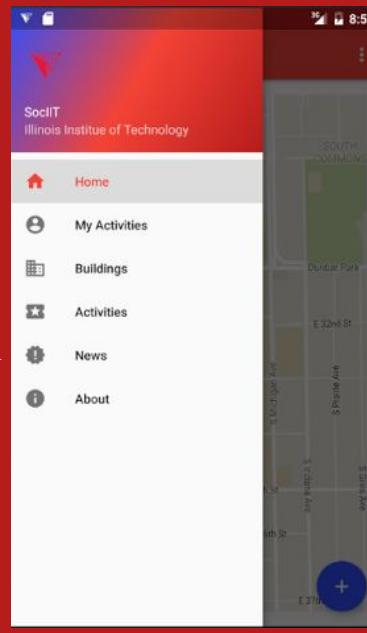
Activity created!

# Functionality (VI)

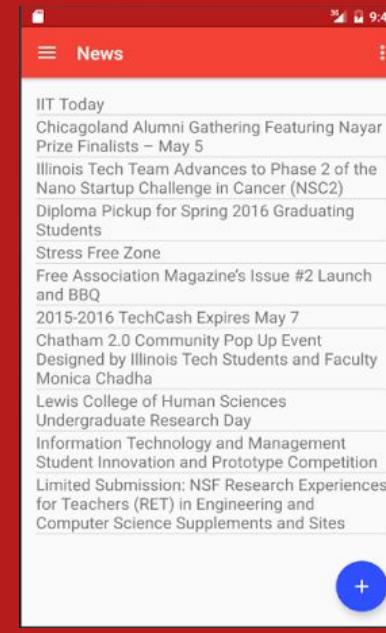
- Checking the last university's news



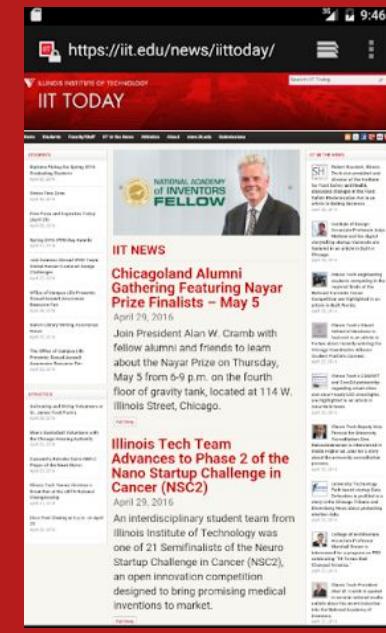
Home



Menu



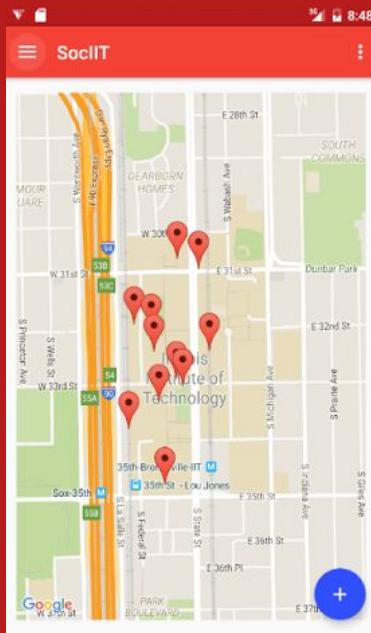
News RSS



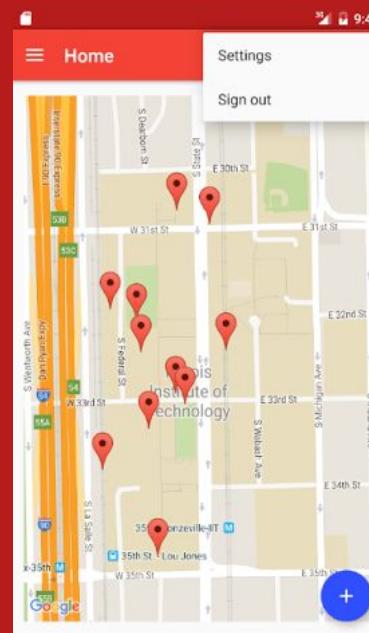
Opens in browser

# Functionality (VII)

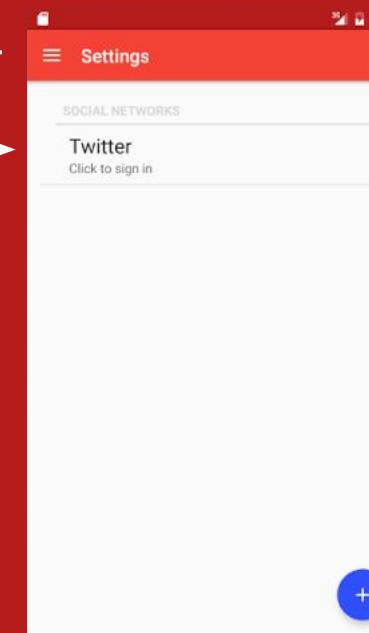
- Synchronize with your Twitter account



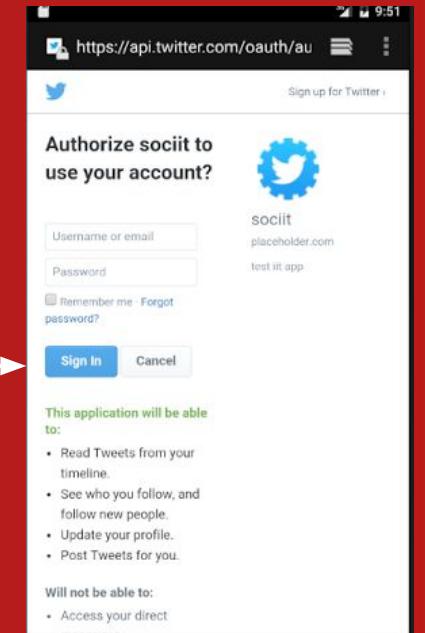
Home



Settings button



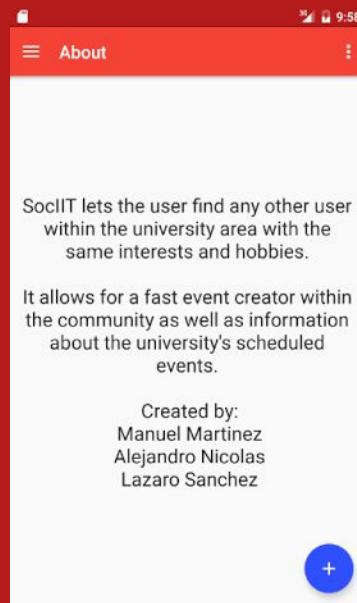
Settings menu



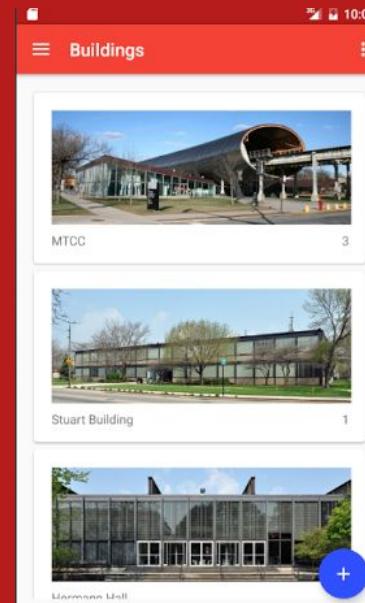
Opens in new browser

# Functionality (VIII)

- Other screens



About screen



Buildings list

# Future work

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- Have our own database to store the data
- Implement a commenting system in the activities
- Add more features to the app
- Upload the app to Google Play Store
- Sell it to IIT



# Conclusions

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- From our point of view, it is easier to develop an application in Android thanks to our Java course taken in our university last semester.
- It is less risky to develop an application in Android instead of iOS due to the price that each platform has to upload the apps to the market.
- The idea and prototype have made a good impression on the university community, **SocIT Team** is the proud winner of **IIT's** ITM Student Innovation & Prototype Competition 2016



SocIT

Thank you!