

CODING BRAIN PROJECT DESIGN “UMIGO”

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Universidad Nacional de Colombia
Facultad de Ingeniería
Departamento de Sistemas e Industrial
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CRC CARDS

Administrator	
View Reports Change the status of a Report Manage UserCreatedContents Manage Listings Manage Users	User Listing Report UserCreatedContent

User (Reportable)	
Knows email Knows username Knows password Knows suspension status (suspended/not suspended) Knows remaining suspension time Create an account Notify via email when an account is created Delete own account Make Comments Delete own Comments View Comments from other Users Report other Users Edit profile Knows own Reports	Report Comment Listing

Student (User)	
Knows favorite Listings Search Listings Browse interactive map Make Reviews for Listings View Reviews from other Students Delete own Reviews Report Listings Add Listings to favorites list Remove Listings from favorites list	Listing Review Report

Landlord (User)	
Knows own Listings Create Listings Edit own Listings Delete own Listings Change availability status (available/unavailable) of own Listings Check statistics of views for own Listings	Listing

Listing (Reportable, Notificator)	
Knows features (price, location, rooms, bathroom information (private or shared, number of bathrooms and number of people who share them, if that is the case), photos, price of utilities) Knows availability state Knows views Knows Comments Knows Reviews Knows Students who have this Listing as favorite Knows rating Expose location for map Expose location for zone filter Notify Students who have this Listing as favorite when availability state changes	Student Comment Review

UserCreatedContent	
Knows text Knows User who published it	User

Comment (UserCreatedContent)	
Knows Comments under itself	

Review (UserCreatedContent)	
Knows star rating (0 to 5)	

Report (Notificator)	
Knows Reportable attached to it Knows reason Knows status (under review/accepted/rejected)	Reportable User

Reportable	
Show own content (depending on the subclass) Show User who created this content (or the User itself, if the Reportable is a User)	User

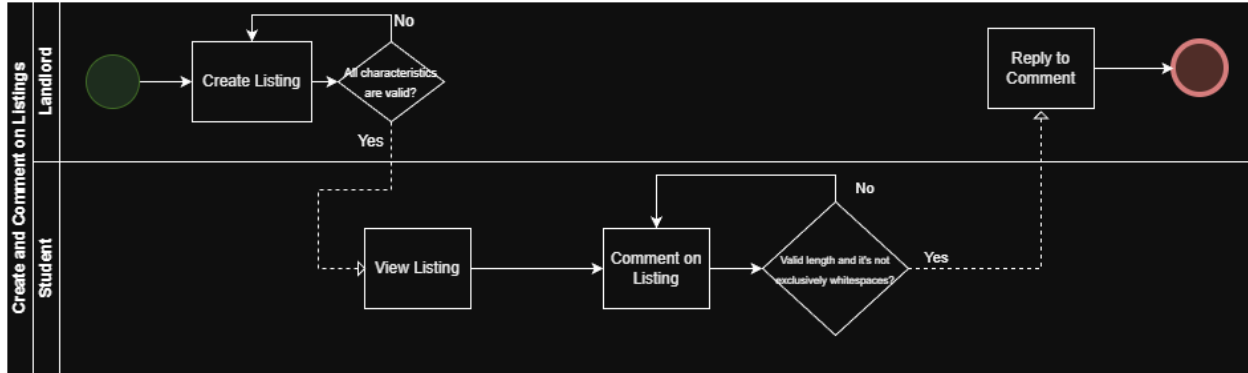
Notificator	
Knows Users to notify Notify	User

Login	
Check credentials for access	User

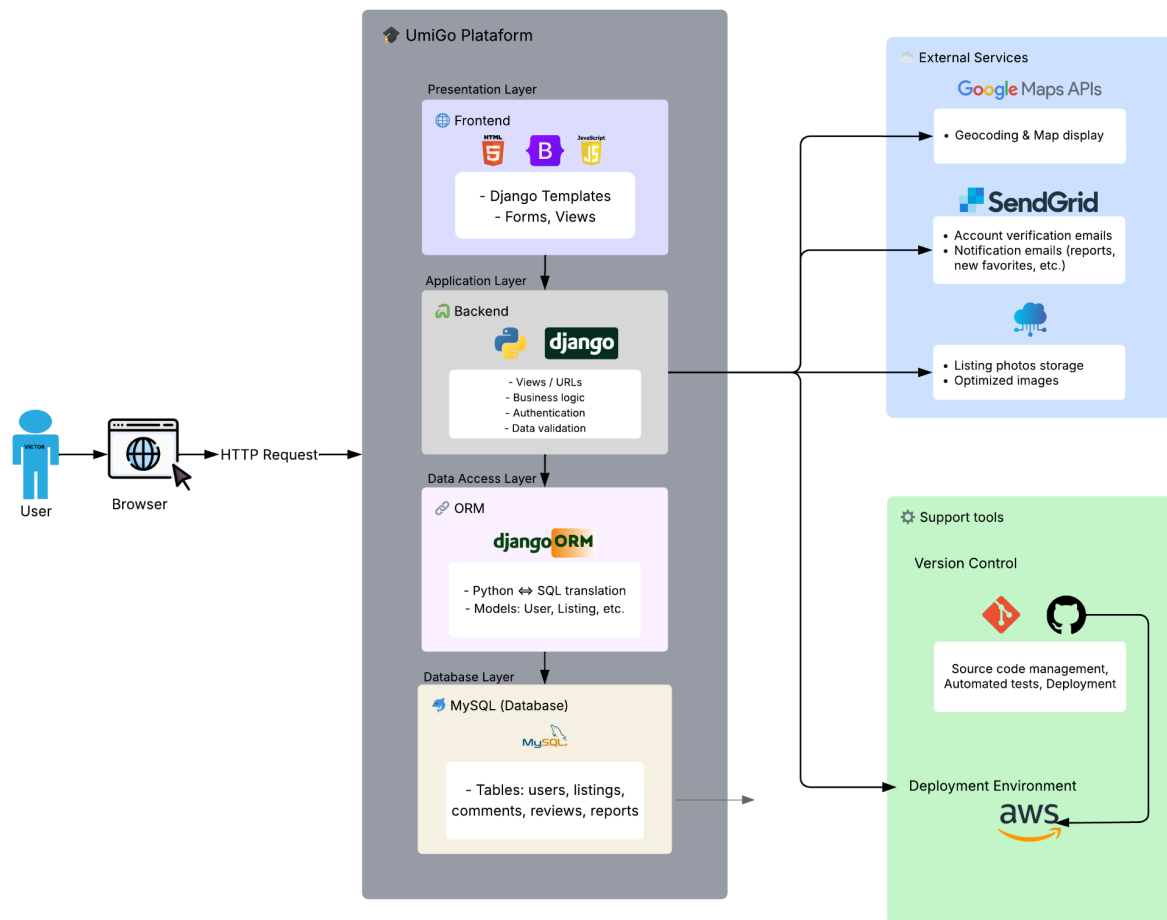
Mockups

https://www.canva.com/design/DAG344OhwGs/h_6B1OkF-fARRjqablhz4Q/edit

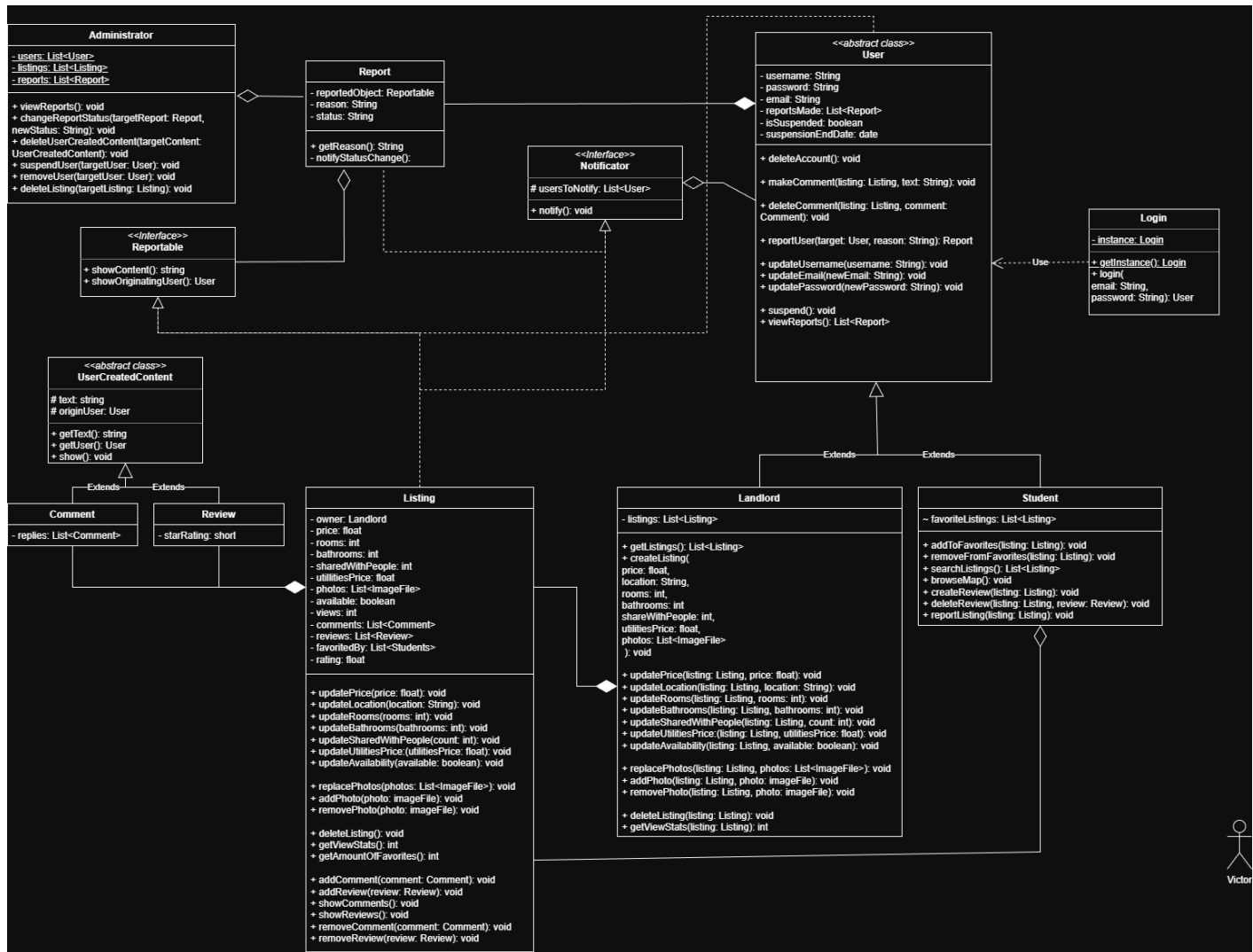
Business Model Process



Architecture Diagram



Class Diagram



Database model

