CS305: Software Engineering
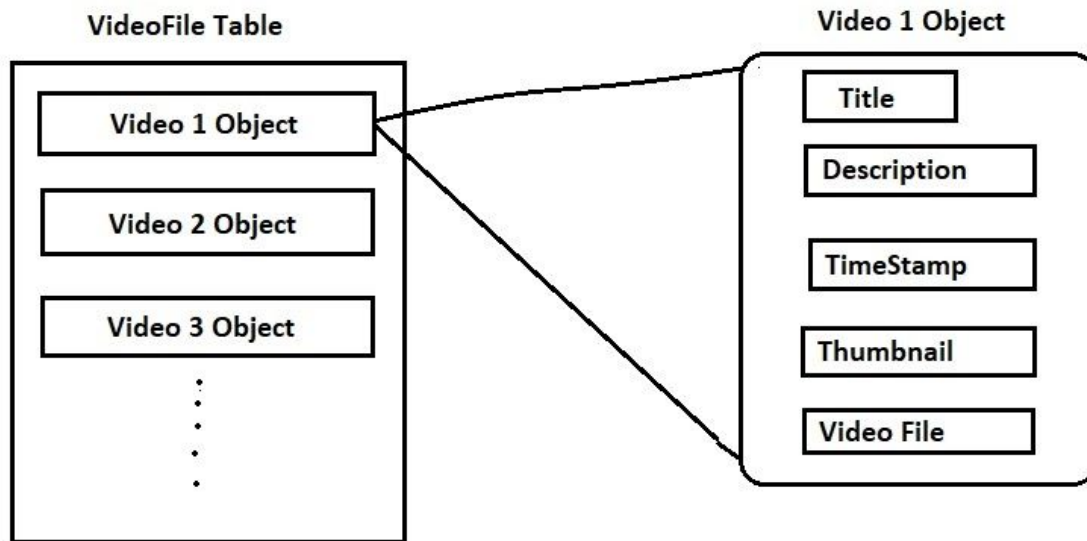
Mini-Project REST API TEAM

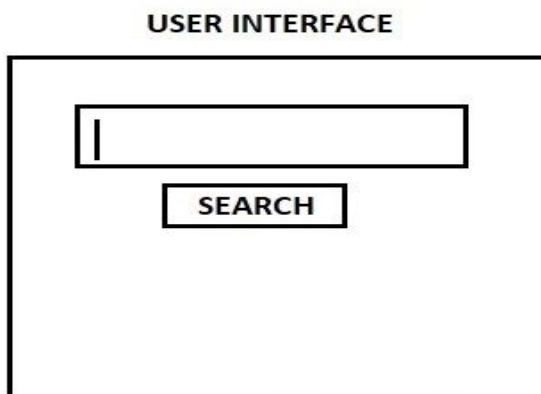### Vivek (170020007), Amogh (180010014), Rahul (170010019)

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Lower Level Design

Component 1 : Database Table to Store info of Local Video Files

Table Class Structure:

Component 2: User Interface Details

From the user interface we are getting a query keyword which is transferred for URI creation.

User Interface shows results(with Thumbnail,title and link to video) from Database whose title matching keywords in starting characters.

Component 3 : URI Creation

From these keywords we are creating endpoint URI's

Like, http://127.0.0.1:8000/query/<keyword>

And this component requests this URI resolution from Backend.

Component 4: BackEnd

1. Backend process the URI
2. Fetch all related Videos in local Database
3. Merge results with Other search results like (Youtube results)
4. Sent results to show up in UI Interface.

Overall,