

# Create a Movies Database iOS application

## OVERVIEW

Using the Tmdb api [<https://developers.themoviedb.org/3/getting-started/introduction>] create a movies application which shows the trending and now playing movies. Let user search for a movie and bookmark movies.

## TASKS

1. Create a home Tab which shows trending movies and now playing movies (Use TMDb API)
2. Create a Movie details view and navigate user when they click on the movie
3. Allow users to bookmark a movie and show a saved movies page
4. Make sure the app works offline and save the responses in a local DB (preferably Core Data)
5. Create a search Tab where users can search for their movies
6. **BONUS TASK:** In search Tab: Instead of giving a text and search button make network calls after some time when the user stops typing, update the results as the user is typing.
7. **BONUS TASK:** Allow users to share the movie and create a dummy deep link which will take users to shared movie directly
8. **BONUS TASK:** Image caching using NSCache or any other caching mechanism (not using any image library caching)

## SPECIFICATIONS

1. Use Swift as the language for the app.
2. For networking use URLSession and swift standard for coding/decoding
3. Setup any architecture for the app (MVVM, MVP, etc)
4. App should be presentable with decent UX (You can take any popular app home screen as inspiration)
5. The result on the views should be paginated if the API supports it
6. **BONUS:** Use viewmodels for storing UI state
7. **BONUS:** Cache expiry implementation

## **DELIVERABLES**

1. Xcode project in zipped file. (Don't make public repository)
2. Readme describing the basic architecture, features implemented/not implemented and steps to run the app