



[Exciting Movie Finder App Name]



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Project goals

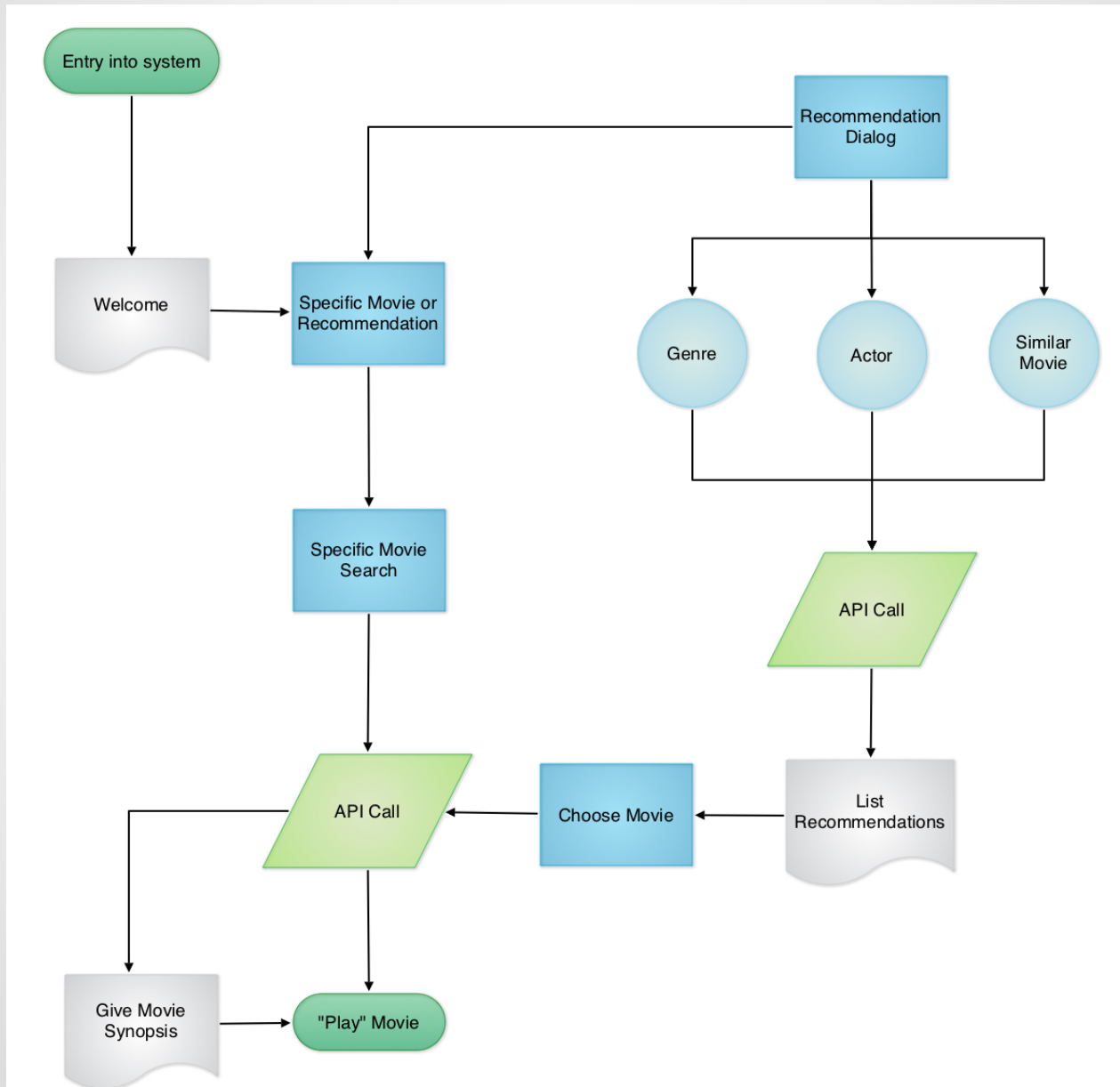
Primary:

- a voice interface for streaming content on television
 - replace or supplement tedious searches with remote controls
- allow a user to search for a movie by title, or for recommendations by actor, movie, or genre
 - if searching for recommendation, return up to six results
 - allow user to hear synopsis of selected movie

Extension:

- return movie recommendations based on short genre description
 - e.g. "teenage zombie romance"
- search for movie based on multiple actors

Project design



Challenges/Modifications

- Grammar/Vocabulary

- Preprocessed actor/movie names in grammars
 - e.g. "Se7en" -> "seven", "Episode V" -> "Episode 5"
- Cannot process results that come back from api

- Latency

- Large grammars lead to longer processing time
- Simplification: cover only popular actors and movies

- Flexibility

- Pretty rigid, system-initiative. Currently no error-handling
- Focus was on accessing api
- Using just voice for what would ideally be run as a multi-modal system

Future additions

- Better recommendation method
 - currently, random selection from returned results
 - rank by popularity? release date? rating?
- Mixed-Initiative
 - examples
 - "Tell me the main actor of [movie_name]"
 - "Give me movies starring [actor_name]"
 - Difficult to distinguish which search type is required and to cover all possible utterances
- Other search methods
 - search for multiple actors or for plot synopses
 - not possible to access api this way; would require multiple searches and processing
 - get new releases
- Think of an exciting app name

The End



Credits

Web Hosting **Voxeo** <http://evolution.voxeo.com>

UW <http://students.washington.edu/shenai>

Movie info **themoviedb**
<https://www.themoviedb.org/documentation>

API wrapper **TMDB PHP API**
<https://github.com/glamorous/TMDb-PHP-API>

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