

## **Functional requirements:**

- Create account, log in to account and delete the account.
- Subscription and Payment to join application.
- Choose a subscription plan:
  1. Basic: 70 EGP / month
  2. Standard: 120 EGP / month
  3. Premium: 165 EGP / month
- Navigate between application tabs:
  1. Home tab,
  2. Series tab
  3. Films tab
  4. New & Popular tab
  5. My list tab
  6. Browse by language tab
- Watch movies and shows.
- Subscribe or unsubscribe to different plans.
- Search for videos using titles or tags.
- Read description/info of a show or a movie.
- Pick genre to watch from.
- Choose current profile.
- Download video and go watching offline mode.
- Platform will show the trend, most popular videos, and by category which easy for users to choose.
- Synchronize for the different device under the same account, which means that users can use a different device to continue watching the same episode without replay.
- Let Netflix developers upload video from the backend and make it available on the platform.
- Playback for videos.

- Filter and Sort movies or shows from Browse by language tab:
  1. From “Select your preferences”:
    - i. Original language (default)
    - ii. Dubbed
    - iii. Subtitles
  2. From “Sort by”:
    - i. Suggestions for you (default)
    - ii. Year released
    - iii. A-Z
    - iv. Z-A
  
- Rate the show or movie:
  1. Thumbs up; If the user likes the content he is watching.
  2. Thumbs down; if they do not like the plot or characters or any other thing about the series or movie they are watching.
  3. Double thumbs up; helps fine-tune their Netflix recommendations.
  
- Manage “My List” list:
  1. Add to list by pressing the “plus” icon.
  2. Remove from list by tapping the checkmark.
  3. View the list.
  
- Language selection for subtitles.
  
- Audio language selection.
  
- Report an issue.
  
- Manage profiles.
  
- Transfer profile.
  
- Check notifications.
  
- Switch to Netflix kids.
  
- Screen mirroring in case user wants to watch on TV.

## **Nonfunctional requirements:**

- Availability: Available 24hrs in 190 countries.
- Compatibility: any Internet-connected device that offers the Netflix app. Netflix-ready devices include streaming media players, smart TVs, game consoles, set-top boxes, Blu-ray players, smartphones, tablets, PCs, and laptops.
- Reliability:
  1. Consistently prioritize requests across device types (Mobile, Browser, and TV).
  2. Progressively throttle requests based on priority.
  3. Validate assumptions by using Chaos Testing (deliberate fault injection) for requests of specific priorities.
  4. No uploads should be lost.
- Security:
  1. maximum number of attempts to enter Password is three.
  2. Users' accessibility is censured in all the ways
  3. Parental controls
  4. Read charge event api for payment.
  5. An account can be used to watch and download according to plan type:
    - i. Basic: Watch and download on 1 supported device at a time.
    - ii. Standard: Watch and download on 2 supported devices at a time.
    - iii. Premium: Watch on 4 supported devices at a time. Download on 6 supported devices at a time.
- Learnability:
  1. Its interface is clear, simple and can easily be learned. Whether mobile, tablet or TV device, Netflix is easy to navigate through so you can find what it is you're looking for (or simply browse because you're not even not sure you're looking for).
  2. When hovering over links, whether it be the option of user profiles in your account, or browsing movie options, the buttons are highlighted, providing feedback for its users.
  3. Netflix suggests a bunch of shows in clearly separated groups: 'Top 10 Today', 'Trending Now', 'Binge-worthy TV Shows', and many more. Such grouping eases user's browsing experience by allowing them to choose a show in an organized manner. The users can first determine which group they'd like to focus on and then browse through a shorter list of shows.
  4. Netflix provides instructional texts for some buttons that maybe confusing for its first-time users. The plus button may be confusing for the first-time users, because Netflix is not an e-commerce website with a shopping cart. To eliminate such confusion, an instructional text "Add to My List" appears when a user hovers over the button.

- Efficiency:
  1. Auto-play feature: an auto-play feature where when an episode of a TV show is completed, it automatically proceeds to the next one. This makes manual selection unnecessary.
  2. A feature that would further contribute to efficiency of use, would be a filter to categorize TV shows and movies by time duration, allowing viewers to have a further efficient browsing experience.
  3. When a user hover over a show, Netflix automatically plays its preview. This allows users to quickly and easily get a sense of what the show would be about instead of having to take multiple steps.
  4. Resume video playback from the point user left off.
  5. To access streaming content on Netflix and other applications, all users need is a high-speed broadband connection and a device, either a tv, mobile phone, or a PC.
  
- Memorability:
  1. The fixed category titles make it easy for the user to browse through the different options, preventing them from forgetting which section they were in.
  2. Upon entering your profile, the top most section is “Continue watching for...” specified to what you were last watching, pausing where you are up to, avoiding any frustration in trying to recall where you stopped.
  3. Users can create lists to save shows or movies that they would like to watch at a later time.
  
- Performance:
  1. For any streaming, the user needs a minimum of 0.5 megabits per second (Mbps), but Netflix recommends 1.5 Mbps.
  2. For DVD quality, you will need 3.0 Mbps.
  3. For HD quality, you will need 5.0 Mbps.
  4. For Super HD and 3D quality, you’ll need around 7.0-12.0 Mbps.
  5. Users can stream videos in real-time without any lag or latency issue.
  6. Seamless connectivity.
  7. Video data is durable and easy to be accessible

## **Out of Scope**

- The mechanism to recommend personalized videos to different users.
- The billing and subscription model for watching the videos.
- Grouping of videos (TV series, drama series, movie series and treat each video as an independent).