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| Requirement | Description |
| Users can watch videos | Handle users GET requests for specified video files |
| Users can search for videos | Allow users to query a repository of videos and find the best match based on query |
| Users can upload videos | Handle POST requests for specified video files and add them to video repository |
| Users can sign up and log into their accounts | Create sessions for users based on the authentication of a username and password combination |
| Users can add videos to a playlist | Based on session add and retrieve videos from a user’s created playlist |
| Users can delete videos | Handle DELETE requests for specified videos files that have been creating by the current user |
| Users can replace or update videos | Handle PUT requests for users trying to replace an old video with a new one |
| Users have a history of the last watched videos | Store last watch videos in user’s session |

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| REST Verb | Path | Action |
| GET | /users | Return all users |
| GET | /users/{id} | Return user with id |
| POST | /users | Create new user |
| PUT | /users/{id} | Update user with id |
| GET | /videos | Return all videos |
| GET | /videos/{id} | Return video with id |
| POST | /videos | Create a new video |
| PUT | /videos/{id} | Update video with id |