

## **PROJECT DEVELOPMENT PHASE**

### **Utilization of Algorithms, Dynamic Programming , Optimal Memory Utilization**

Date	4 November 2023
Team ID	NM2023TMID10148
Project Name	How to create a Brand Promo Video using Canva.

# Replace with your Canva API credentials

API\_KEY = 'YOUR\_API\_KEY'

API\_SECRET = 'YOUR\_API\_SECRET'

# Initialize the Canva API client

canva\_api = CanvaApi(API\_KEY, API\_SECRET)

# Create a new design

design\_response = canva\_api.create\_design(

    design\_type='video',

    name='Brand Promo Video',

    height=720,

    width=1280

)

design\_id = design\_response['id']

# Define your media assets and elements

media\_assets = [

{

    'type': 'image',

    'source\_url': 'URL\_TO\_YOUR\_IMAGE',

    'x': 100,

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        'y': 100,
        'width': 200,
        'height': 100,
    },
    # Add more media assets as needed
]

# Add media assets to the design
for asset in media_assets:
    canva_api.add_design_element(design_id, asset)

# Define your video elements and transitions
video_elements = [
    {
        'type': 'text',
        'content': 'Your Text Here',
        'x': 50,
        'y': 50,
        'font_size': 36,
        'font_color': 'white',
    },
    # Add more video elements as needed
]

# Add video elements to the design
for element in video_elements:
    canva_api.add_design_element(design_id, element)

# Export the design as a video
video_export_response = canva_api.export_design_as_video(
    design_id=design_id,
    format='mp4',
    options={

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        'resolution': '720p',  
        'duration': 10, # Video duration in seconds  
    }  
)  
# Get the video export URL  
video_url = video_export_response['url']  
printf('Your brand promo video is ready: {video_url}')
```