SCHOOL OF INFORMATION SCIENCE,

COLLEGE OF COMPUTING, INFORMATICS AND MEDIA,

UNIVERSITI TEKNOLOGI MARA (UITM)

CAWANGAN KEDAH

DIPLOMA IN LIBRARY INFORMATICS

(CDIM144)

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INDIVIDUAL ASSIGNMENT: REPORT ON THE MOVIE RIGESTER

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SIR AIRUL SHAZWAN BIN NORSHAHIMI helped me until finished the assignment within time.

I would also like to take this opportunity to thank my friends, without them this assignment could not have been completed in a short duration.
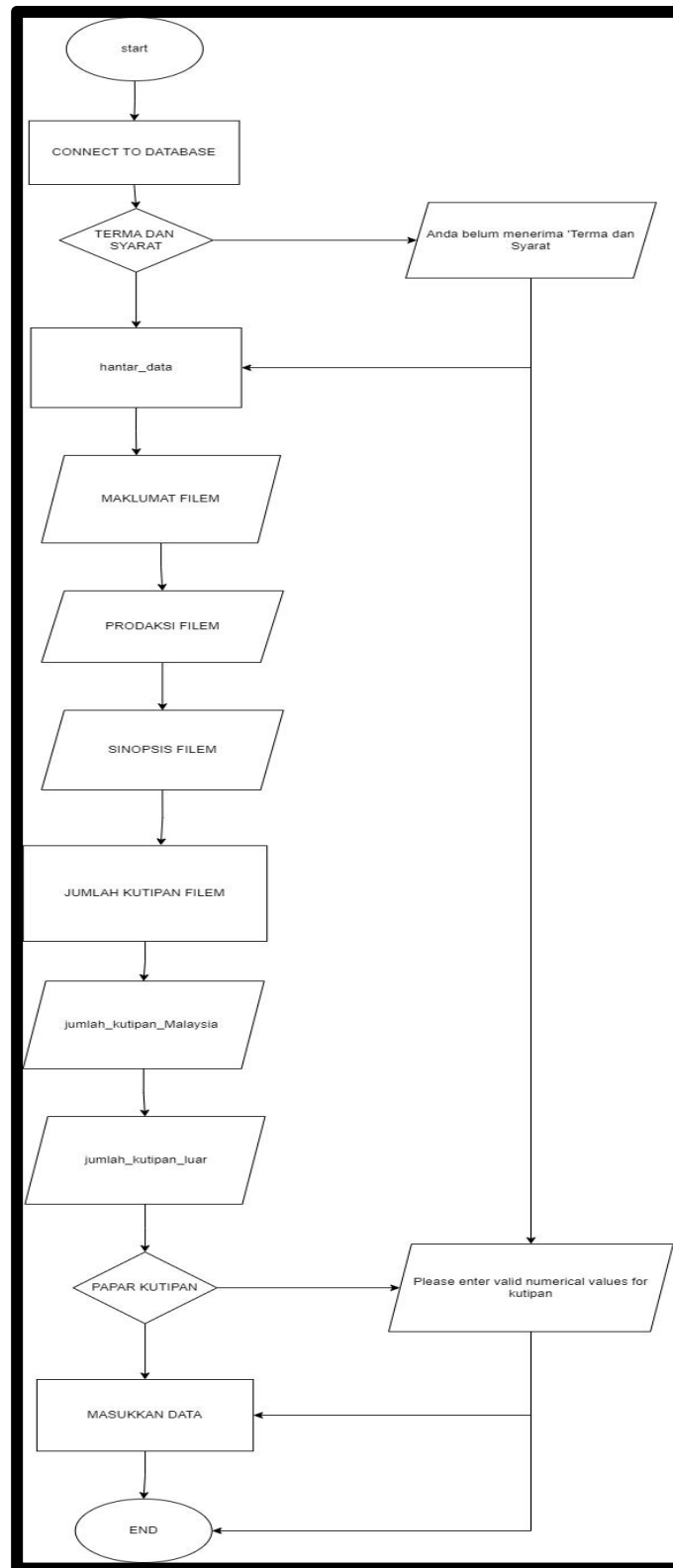
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1.0 INTRODUCTION

This introduction highlights the code's purpose, which is to create a movie registration application called "Panda Filem." It describes the key features, such as entering movie details and revenue information, and connects to a MySQL database. The code provided is a basic implementation of a GUI (Graphical User Interface) application in Python using the Tkinter library.
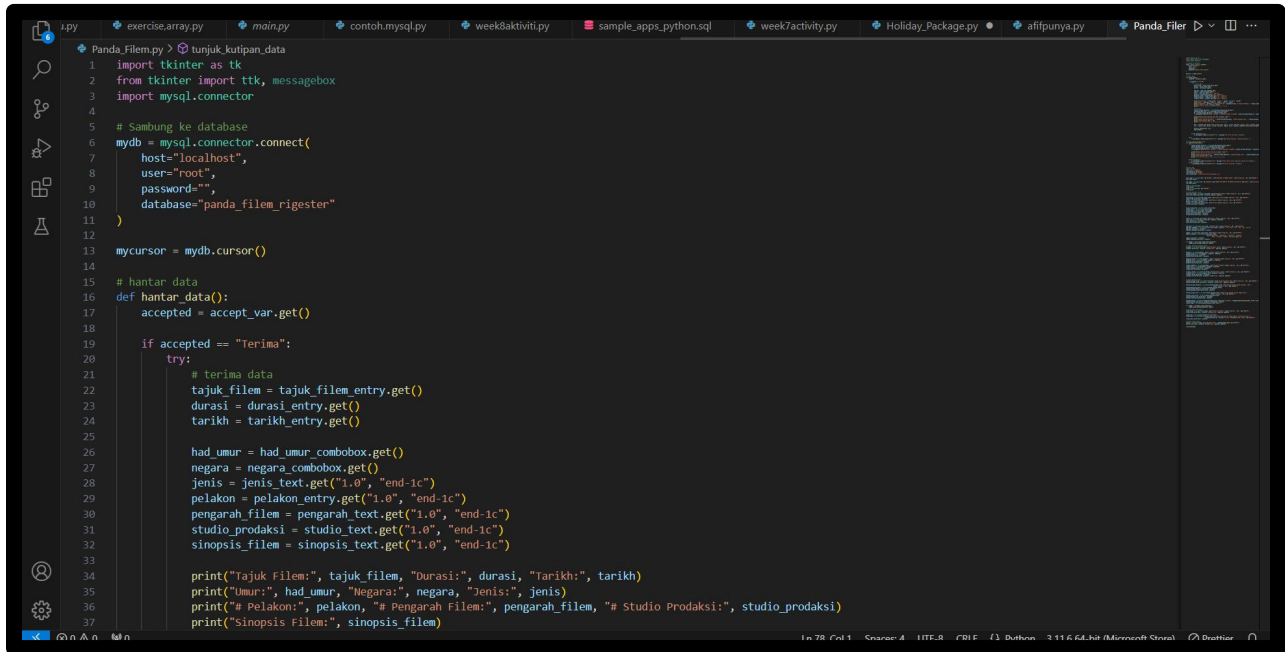
This application appears to be intended for entering and storing movie information in a MySQL database. Users can enter information such as the title of the movie, the duration, the date, the age limit, the country, the genre, the cast, the director, the production studio, and the synopsis. There is also the ability to enter and display revenue information for the film.
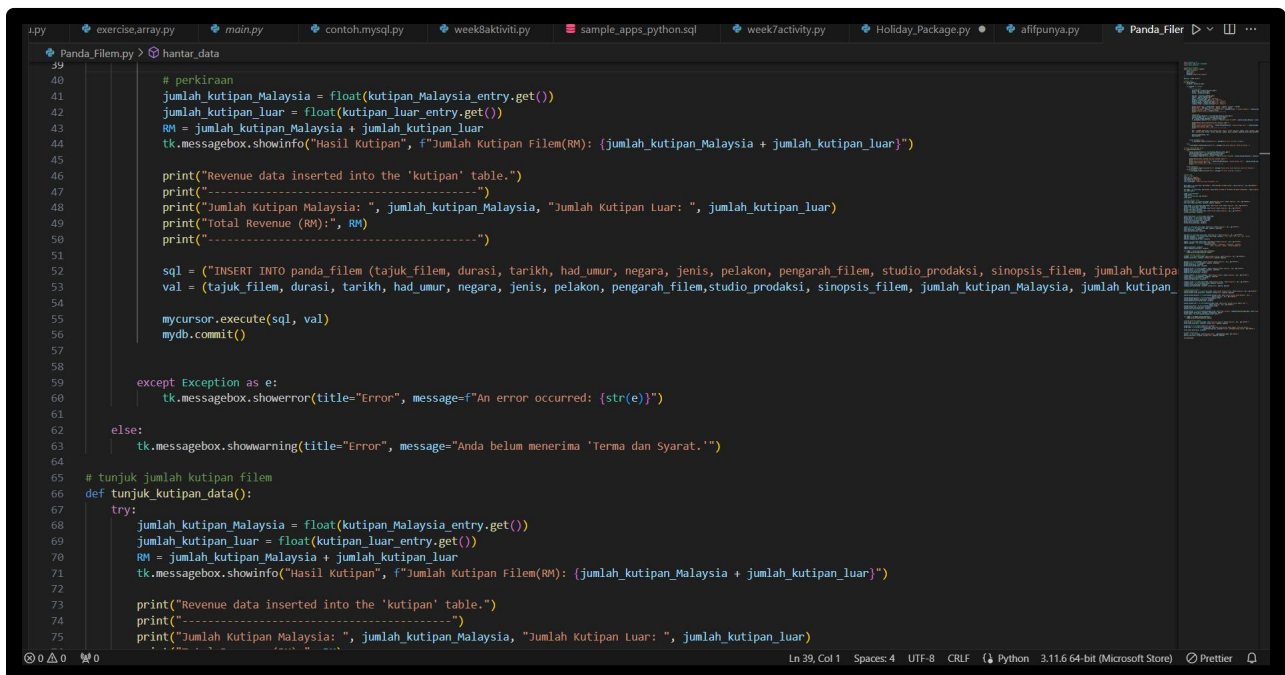
2.0 FLOWCHART

```
                    ( start )
                        |
                        v
          +---------------------------+
          |    CONNECT TO DATABASE     |
          +---------------------------+
                        |
                        v
                   < TERMA DAN >----------->  / Anda belum menerima 'Terma dan /
                   < SYARAT    >              / Syarat                        /
                        |                              |
                        v                              |
          +---------------------------+                |
          |      hantar_data          | <-------------+
          +---------------------------+
                        |
                        v
                 / MAKLUMAT FILEM /
                        |
                        v
                 / PRODAKSI FILEM /
                        |
                        v
                 / SINOPSIS FILEM /
                        |
                        v
          +---------------------------+
          |    JUMLAH KUTIPAN FILEM    |
          +---------------------------+
                        |
                        v
              / jumlah_kutipan_Malaysia /
                        |
                        v
               / jumlah_kutipan_luar /
                        |
                        v
                 < PAPAR KUTIPAN >---------->  / Please enter valid numerical values for /
                        |                       / kutipan                                 /
                        v                              |
          +---------------------------+                |
          |      MASUKKAN DATA         | <------------+
          +---------------------------+
                        |
                        v
                     ( END )
```

3.0 MY CODING

1.

```python
import tkinter as tk
from tkinter import ttk, messagebox
import mysql.connector

# Sambung ke database
mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="",
    database="panda_filem_rigester"
)

mycursor = mydb.cursor()

# hantar data
def hantar_data():
    accepted = accept_var.get()

    if accepted == "Terima":
        try:
            # terima data
            tajuk_filem = tajuk_filem_entry.get()
            durasi = durasi_entry.get()
            tarikh = tarikh_entry.get()

            had_umur = had_umur_combobox.get()
            negara = negara_combobox.get()
            jenis = jenis_text.get("1.0", "end-1c")
            pelakon = pelakon_entry.get("1.0", "end-1c")
            pengarah_filem = pengarah_text.get("1.0", "end-1c")
            studio_prodaksi = studio_text.get("1.0", "end-1c")
            sinopsis_filem = sinopsis_text.get("1.0", "end-1c")

            print("Tajuk Filem:", tajuk_filem, "Durasi:", durasi, "Tarikh:", tarikh)
            print("Umur:", had_umur, "Negara:", negara, "Jenis:", jenis)
            print("# Pelakon:", pelakon, "# Pengarah Filem:", pengarah_filem, "# Studio Prodaksi:", studio_prodaksi)
            print("Sinopsis Filem:", sinopsis_filem)
```

2.

```python
            # perkiraan
            jumlah_kutipan_Malaysia = float(kutipan_Malaysia_entry.get())
            jumlah_kutipan_luar = float(kutipan_luar_entry.get())
            RM = jumlah_kutipan_Malaysia + jumlah_kutipan_luar
            tk.messagebox.showinfo("Hasil Kutipan", f"Jumlah Kutipan Filem(RM): {jumlah_kutipan_Malaysia + jumlah_kutipan_luar}")

            print("Revenue data inserted into the 'kutipan' table.")
            print("----------------------------------------")
            print("Jumlah Kutipan Malaysia: ", jumlah_kutipan_Malaysia, "Jumlah Kutipan Luar: ", jumlah_kutipan_luar)
            print("Total Revenue (RM):", RM)
            print("----------------------------------------")

            sql = ("INSERT INTO panda_filem (tajuk_filem, durasi, tarikh, had_umur, negara, jenis, pelakon, pengarah_filem, studio_prodaksi, sinopsis_filem, jumlah_kutipa
            val = (tajuk_filem, durasi, tarikh, had_umur, negara, jenis, pelakon, pengarah_filem, studio_prodaksi, sinopsis_filem, jumlah_kutipan_Malaysia, jumlah_kutipan_

            mycursor.execute(sql, val)
            mydb.commit()

        except Exception as e:
            tk.messagebox.showerror(title="Error", message=f"An error occurred: {str(e)}")

    else:
        tk.messagebox.showwarning(title="Error", message="Anda belum menerima 'Terma dan Syarat.'")

# tunjuk jumlah kutipan filem
def tunjuk_kutipan_data():
    try:
        jumlah_kutipan_Malaysia = float(kutipan_Malaysia_entry.get())
        jumlah_kutipan_luar = float(kutipan_luar_entry.get())
        RM = jumlah_kutipan_Malaysia + jumlah_kutipan_luar
        tk.messagebox.showinfo("Hasil Kutipan", f"Jumlah Kutipan Filem(RM): {jumlah_kutipan_Malaysia + jumlah_kutipan_luar}")

        print("Revenue data inserted into the 'kutipan' table.")
        print("----------------------------------------")
        print("Jumlah Kutipan Malaysia: ", jumlah_kutipan_Malaysia, "Jumlah Kutipan Luar: ", jumlah_kutipan_luar)
```

3.

Panda_Filem.py > hantar_data

```python
76          print("Total Revenue (RM):", RM)
77          print("-------------------------------------")
78
79      except ValueError:
80          tk.messagebox.showerror(title="Error", message="Please enter valid numerical values for kutipan.")
81      except Exception as e:
82          tk.messagebox.showerror(title="Error", message=f"An error occurred: {str(e)}")
83
84
85  #Tkinter GUI
86  root = tk.Tk()
87  root['bg'] = '#3B9C9C'
88  root.geometry("800x1200")
89  root.title("Panda Filem")
90  root.iconbitmap(r'c:\Users\zul\Downloads\panda.ico')
91
92
93  main_label = tk.Label(root, fg="#3c096c", text="WELCOME TO PANDA FILEM!", font=("Algerian", 20), bg="#3B9C9C")
94  main_label.pack()
95
96  sec_label = tk.Label(root, fg='#5a189a',text="ENTER THE NAME OF THE MOVIE YOU WISH TO REGISTER!", font=("Algerian", 20), bg="#3B9C9C")
97  sec_label.pack()
98
99  frame = tk.Frame(root)
100 frame.pack()
101 frame = tk.Frame(root, bg='#5F9EA0')
102 frame.pack()
103
104 # Simpan maklumat filem
105 user_info_frame = tk.LabelFrame(frame, text="Maklumat Filem", font=('Algerian', 10,), bg="#3B9C9C")
106 user_info_frame.grid(row=0, column=0, padx=20, pady=10)
107
108 tajuk_filem = tk.Label(user_info_frame, text="Tajuk Filem",font=('Algerian', 10,), bg='#FFFFFF')
109 tajuk_filem.grid(row=0, column=0)
110 durasi = tk.Label(user_info_frame, text="Durasi",font=('Algerian', 10,), bg='#FFFFFF')
111 durasi.grid(row=0, column=1)
112 tarikh = tk.Label(user_info_frame, text="Tarikh",font=('Algerian', 10,), bg='#FFFFFF')
```

4.

Panda_Filem.py > hantar_data

```python
112     tarikh = tk.Label(user_info_frame, text="Tarikh",font=('Algerian', 10,), bg='#FFFFFF')
113     tarikh.grid(row=0, column=2)
114
115
116     tajuk_filem_entry = tk.Entry(user_info_frame)
117     durasi_entry = tk.Entry(user_info_frame)
118     tarikh_entry = tk.Entry(user_info_frame)
119     tajuk_filem_entry.grid(row=1, column=0)
120     durasi_entry.grid(row=1, column=1)
121     tarikh_entry.grid(row=1, column=2)
122
123
124     jenis= tk.Label(user_info_frame, text="Jenis",font=('Algerian', 10,), bg='#FFFFFF')
125     jenis_text = tk.Text(user_info_frame, height=3, width=20)
126     jenis.grid(row=2, column=0)
127     jenis_text.grid(row=3, column=0)
128
129
130     had_umur= tk.Label(user_info_frame, text="Had Umur",font=('Algerian', 10,), bg='#FFFFFF')
131     had_umur_combobox = ttk.Combobox(user_info_frame, values=["", "U", "P12", "13", "16", "18", "21+"])
132     had_umur.grid(row=2, column=1)
133     had_umur_combobox.grid(row=3, column=1)
134
135     negara = tk.Label(user_info_frame, text="Negara",font=('Algerian', 10,), bg='#FFFFFF')
136     negara_combobox = ttk.Combobox(user_info_frame,
137                         values=["Malaysia", "Indonesia", "Thailand", "Vietnam",
138                         "USA", "Turkiye", "India", "United Kingdom",])
139     negara.grid(row=2, column=2)
140     negara_combobox.grid(row=3, column=2)
141
142     for widget in user_info_frame.winfo_children():
143         widget.grid_configure(padx=30, pady=5)
144
145     # simpan maklumat prodaksi filem
146     prodaksi = tk.LabelFrame(frame, text="Prodaksi Filem", font=('Algerian', 10,), bg='#3B9C9C')
147     prodaksi.grid(row=1, column=0, sticky="news", padx=20, pady=10)
148
```

5.

```python
150  pelakon = tk.Label(prodaksi, text=" Pelakon",font=('Algerian', 10,), bg='#FFFFFF')
151  pelakon_entry = tk.Text(prodaksi, height=3, width=20)
152  pelakon.grid(row=1, column=0)
153  pelakon_entry.grid(row=2, column=0)
154
155  pengarah_filem = tk.Label(prodaksi, text=" Pengarah",font=('Algerian', 10,), bg='#FFFFFF')
156  pengarah_text = tk.Text(prodaksi, height=3, width=20)
157  pengarah_filem.grid(row=1, column=1)
158  pengarah_text.grid(row=2, column=1)
159
160  studio_prodaksi = tk.Label(prodaksi, text="Studio Prodaksi",font=('Algerian', 10,), bg='#FFFFFF')
161  studio_text = tk.Text(prodaksi, height=3, width=30)
162  studio_prodaksi.grid(row=1, column=2)
163  studio_text.grid(row=2, column=2)
164
165  sinopsis_filem = tk.LabelFrame(frame, text="Sinopsis Filem", font=('Algerian', 10,), bg='#3B9C9C')
166  sinopsis_text = tk.Text(sinopsis_filem, height=3, width=74)
167  sinopsis_filem.grid(row=3, column=0)
168  sinopsis_text.grid(row=0, column=0, sticky="news", padx=20, pady=10)
169
170
171  # jumlah kutipan filem
172  jumlah_kutipan_filem = tk.LabelFrame(frame, text="Jumlah Kutipan Filem", font=('Algerian', 10,), bg='#3B9C9C')
173  jumlah_kutipan_filem.grid(row=5, column=0, sticky="news", padx=20, pady=10)
174
175  jumlah_kutipan_Malaysia = tk.Label(jumlah_kutipan_filem, text="Jumlah Kutipan dalam Malaysia  (Rm): ",
176                        font=('Algerian', 10,), bg='#3B9C9C')
177  kutipan_Malaysia_entry = tk.Entry(jumlah_kutipan_filem)
178  jumlah_kutipan_Malaysia.grid(row=0, column=0)
179  kutipan_Malaysia_entry.grid(row=0, column=1)
180
181  jumlah_kutipan_luar = tk.Label(jumlah_kutipan_filem, text="Jumlah Kutipan diLuar Negara (Rm): ",
182                        font=('Algerian', 10,), bg='#3B9C9C')
183  kutipan_luar_entry = tk.Entry(jumlah_kutipan_filem)
184  jumlah_kutipan_luar.grid(row=2, column=0)
185  kutipan_luar_entry.grid(row=2, column=1)
186
```

6.

```python
176                        font=('Algerian', 10,), bg='#3B9C9C')
177  kutipan_Malaysia_entry = tk.Entry(jumlah_kutipan_filem)
178  jumlah_kutipan_Malaysia.grid(row=0, column=0)
179  kutipan_Malaysia_entry.grid(row=0, column=1)
180
181  jumlah_kutipan_luar = tk.Label(jumlah_kutipan_filem, text="Jumlah Kutipan diLuar Negara (Rm): ",
182                        font=('Algerian', 10,), bg='#3B9C9C')
183  kutipan_luar_entry = tk.Entry(jumlah_kutipan_filem)
184  jumlah_kutipan_luar.grid(row=2, column=0)
185  kutipan_luar_entry.grid(row=2, column=1)
186
187  kutipan_button = tk.Button(jumlah_kutipan_filem, text="Papar Kutipan", command=tunjuk_kutipan_data, font=('Algerian', 10,), bg='#3B9C9C')
188  kutipan_button.grid(row=3, column=0, columnspan=2, pady=5)
189  result_label = tk.Label(jumlah_kutipan_filem, text='')
190
191  for widget in prodaksi.winfo_children():
192      widget.grid_configure(padx=10, pady=5)
193
194  # terima terma dan syarat
195  terma_frame = tk.LabelFrame(frame, text="Terma dan Syarat", font=('Algerian', 10),  bg='#3B9C9C')
196  terma_frame.grid(row=6, column=0, sticky="news", padx=20, pady=10)
197
198  accept_var = tk.StringVar(value="Not Accepted")
199  terma_check = tk.Checkbutton(terma_frame, text="Saya menerima dan faham segala 'Terma dan Syarat'.",
200                        variable=accept_var, onvalue="Terima", offvalue="Tidak Terima", bg='#3B9C9C')
201  terma_check.grid(row=0, column=0)
202
203  # butang tunjuk hasil
204  button = tk.Button(frame, text="Masukkan Data", command=hantar_data, bg='#3B9C9C')
205  button.grid(row=8, column=0, sticky="news", padx=20, pady=10)
206
207  root.mainloop()
```

4.0 MY GUI

Panda Filem

WELCOME TO PANDA FILEM!
ENTER THE NAME OF THE MOVIE YOU WISH TO REGISTER!

MAKLUMAT FILEM

TAJUK FILEM	DURASI	TARIKH

JENIS	HAD UMUR	NEGARA

PRODAKSI FILEM

PELAKON	PENGARAH	STUDIO PRODAKSI

SINOPSIS FILEM

JUMLAH KUTIPAN FILEM

JUMLAH KUTIPAN DALAM MALAYSIA (RM):

JUMLAH KUTIPAN DILUAR NEGARA (RM):

PAPAR KUTIPAN

TERMA DAN SYARAT

☐ Saya menerima dan faham segala 'Terma dan Syarat'.

Masukkan Data

5.0 MY DATABASE