

DATE: 23.07.2025

AIM

ALGORITHM

- ## CODE AND OUTPUT

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>College Admission Form</title>
  <style>
    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      background-color: #f4f6f8;
      margin: 0;
      padding: 0;
    }

    .container {
      max-width: 600px;
      margin: 50px auto;
      background: white;
      padding: 40px;
      border-radius: 10px;
      box-shadow: 0 0 15px rgba(0,0,0,0.1);
    }

    h2 {
      text-align: center;
      margin-bottom: 30px;
      color: #333;
    }
  </style>

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}

label {
  display: block;
  margin: 15px 0 5px;
  font-weight: 600;
}

select, input[type="text"], input[type="email"], input[type="date"] {
  width: 100%;
  padding: 10px;
  font-size: 16px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 6px;
}

input[type="submit"] {
  background-color: #007BFF;
  color: white;
  padding: 12px 20px;
  border: none;
  border-radius: 6px;
  font-size: 16px;
  cursor: pointer;
  width: 100%;
}

input[type="submit"]:hover {
  background-color: #0056b3;
}

.note {
  font-size: 0.9em;
  color: gray;
}
</style>
</head>
<body>
  <div class="container">
    <h2>College Admission Form</h2>
    <form id="collegeForm">
      <label for="country">Country</label>
      <select id="country" required>
        <option value="">--Select Country--</option>
        <option value="India">India</option>
        <option value="USA">USA</option>
        <option value="UK">UK</option>
      </select>
    </form>
  </div>

```

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<label for="category">Category</label>
<select id="category" required>
    <option value="">--Select Category--</option>
    <option value="General">General</option>
    <option value="OBC">OBC</option>
    <option value="SC/ST">SC/ST</option>
</select>

<label for="dob">Date of Birth <span class="note">(Must be
18+)</span></label>
<input type="date" id="dob" required>

<label for="email">Email</label>
<input type="email" id="email" required placeholder="example@domain.com">

<label for="qualification">Highest Qualification</label>
<select id="qualification" required>
    <option value="">--Select Qualification--</option>
    <option value="High School">High School</option>
    <option value="Diploma">Diploma</option>
    <option value="Bachelor">Bachelor</option>
    <option value="Master">Master</option>
</select>

<label for="course">Course Applied For</label>
<select id="course" required>
    <option value="">--Select Course--</option>
    <option value="B.Tech">B.Tech</option>
    <option value="MBA">MBA</option>
    <option value="M.Sc">M.Sc</option>
    <option value="PhD">PhD</option>
</select>

<input type="submit" value="Submit">
</form>
</div>
</body>
</html>

```

```

from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import Select
import time
import os

# Load local HTML file
file_path = os.path.abspath("college_form.html")

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driver = webdriver.Chrome() # Ensure chromedriver is in PATH
driver.get("file://" + file_path)

# Wait for page to load
time.sleep(1)

# Select Country
country_select = Select(driver.find_element(By.ID, "country"))
country_select.select_by_visible_text("India")
time.sleep(0.8)
selected_country = country_select.first_selected_option.text
assert selected_country == "India"
print("Country selected correctly:", selected_country)

# Select Category
category_select = Select(driver.find_element(By.ID, "category"))
category_select.select_by_visible_text("OBC")
time.sleep(0.8)
selected_category = category_select.first_selected_option.text
assert selected_category == "OBC"
print("Category selected correctly:", selected_category)

# Set Date of Birth
dob_input = driver.find_element(By.ID, "dob")
dob_input.send_keys("2000-01-01")
time.sleep(0.8)
print("DOB set.")

# Enter Email
email_input = driver.find_element(By.ID, "email")
email_input.send_keys("testuser@example.com")
time.sleep(0.8)
print("Email entered.")

# Select Qualification
qualification_select = Select(driver.find_element(By.ID, "qualification"))
qualification_select.select_by_visible_text("Bachelor")
time.sleep(0.8)
assert qualification_select.first_selected_option.text == "Bachelor"
print("Qualification selected correctly.")

# Select Course
course_select = Select(driver.find_element(By.ID, "course"))
course_select.select_by_visible_text("MBA")
time.sleep(0.8)
assert course_select.first_selected_option.text == "MBA"
print("Course selected correctly.")

# Submit Form
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submit_button = driver.find_element(By.XPATH, "//input[@type='submit']")
time.sleep(1)
submit_button.click()
print("Form submitted.")

# Wait before closing
time.sleep(2)
driver.quit()
```

• (.venv) PS D:\TARU\W th year\Software Testing lab\Ex 7> python Ex7.py

```
DevTools listening on ws://127.0.0.1:51179/devtools/browser/29c3830d-b752-4a65-898a-878f30b24d35
Country selected correctly: India
WARNING: All log messages before absl::InitializeLog() is called are written to STDERR
I0000 00:00:1753249709.930291    27500 voice_transcription.cc:58] Registering VoiceTranscriptionCapability
[24936:34308:0723/111830.355:ERROR:google_apis\gcm\engine\registration_request.cc:291] Registration response error message: DEPRECATED_ENDPOINT
Category selected correctly: OBC
DOB set.
Email entered.
Qualification selected correctly.
Course selected correctly.
Form submitted.
```

INFERENCE

The form automation was successfully executed using Selenium. All form fields were correctly filled and verified with appropriate delays. This validates the correctness and functionality of the admission form UI elements.