

# Modern Application Development I ( MAD I )

# Final Project ( Flash Card Web App )

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# INTRODUCTION

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**From Varanasi, UP**

**Currently pursuing BE CSE from Panjab University,  
Punjab**

# DESCRIPTION

**To design a login authenticated web application having quiz like environment which calculates & stores the scores of each user after each game (set of 10 multiple choice questions having 4 options each) & also have three difficulty level (easy, medium, hard) options for users to choose from.**

# FEATURES

- ❖ **It has two login options (Administrator & User)**
- ❖ **Administrator Login Password is set to “P@ssw0rd”**
- ❖ **New users can login directly & the password entered will be used for further logins**
- ❖ **Old users have to use their previous password for authentication**
- ❖ **Administrator can view all users with their score & all decks**

# FEATURES

- ❖ **User can only play the game**
- ❖ **The game has three difficulty level options (easy, medium, hard)**
- ❖ **Each game has a set of 10 multiple choice questions having 4 options each**
- ❖ **One question will be displayed at a time**
- ❖ **Scores will reflect at the end of game**

# HIGHLIGHTS

## **Python Libraries Used:**

- **flask**
- **flask\_sqlalchemy**
- **flask\_restful**
- **werkzeug.exceptions**
- **json**
- **os**

# FLASH CARD APPLICATION

Administrator Login

User Login

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# FLASH CARD APPLICATION

## Administrator Password:

It contains at least 4 characters and at most 16 characters.

It contains at least one digit.

It contains at least one upper case alphabet.

It contains at least one lower case alphabet.

It contains at least one special character.

.....|

Submit

Go Back

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# FLASH CARD APPLICATION

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Submit

Go Back

Password Incorrect !!! Try Again ...

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# FLASH CARD APPLICATION

View Users

View Decks

Logout

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# FLASH CARD APPLICATION

Users:

Username	Score
user1	0
user2	0
user3	0

Go Back

Logout

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# FLASH CARD APPLICATION

Easy

Medium

Hard

Go Back

Logout

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# FLASH CARD APPLICATION

## Decks: easy

Word	Synonyms
Acumen	Awareness, brilliance
Adhere	Comply, observe
Abash	Disconcert, rattle
Abound	Flourish, proliferate
Abate	Moderate, decrease
Abject	Despicable, servile
Abjure	Forsake, renounce
Accord	Agreement, harmony
Alien	Foreigner, outsider
Allay	Pacify, soothe
Allure	Entice, fascinate
Ascend	Climb Escalate
Axiom	Adage, truism
Baffle	Astound, Faze
Bleak	Austere, Blank
Bustle	Commotion, Tumult
Barren	Desolate, Sterile
Base	Vulgar, Coarse
Batty	Insane, silly
Bawdy	Erotic, Coarse
Benign	Favorable, friendly
Bind	Predicament

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Venom	Poison, malevolence
Vilify	Malign, Slur, Defame
Vouch	Confirm, consent
Virtue	Ethic, morality
Vivid	Eloquent, lucid
Waive	Relinquish, remove
Wan	Pale, faded
Wane	Decline, Dwindle
Wary	cautious, circumspect
Wed	marry, combine
Wicked	vicious, immoral
Wield	Exert, employ
Wile	Trickery, Artifice
Wilt	wither, perish
Yell	shout, shriek
Yield	surrender abdicate
Yearn	languish, crave
Yoke	connect, harness
Zeal	eagerness, fervor
Zenith	summit, apex
Zest	delight, enthusiasm

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Administrator Dashboard

Logout

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# FLASH CARD APPLICATION

## **Username:**

It contains at least 4 characters and at most 16 characters.  
It must be unique.

user1

## **Password:**

It contains at least 4 characters and at most 16 characters.  
It contains at least one digit.  
It contains at least one upper case alphabet.  
It contains at least one lower case alphabet.  
It contains at least one special character.

....

Submit

Go Back

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# FLASH CARD APPLICATION

Hi ... user1

Wanna Play a Game ...

Score: 0

Lets Go ...

Logout

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# FLASH CARD APPLICATION

Hi ... user1

Instuuctions:

Score: 0

10 questions per game.  
1 correct answer = 1 point.

Select Difficulty Level:

Easy

Medium

Hard

Go Back

**user1****Level: easy**

Select the Synonyms of the the given word from the options given below:

**Nimble****Dull, Insensitive****prompt, brisk****attract, entice****Chunky, massive****Next****Go Back***by ANSH KUSHWAHA*[21f1006019@student.onlinedegree.iitm.ac.in](mailto:21f1006019@student.onlinedegree.iitm.ac.in)



**THANK YOU**