

Advanced Internship@Clevered Mental Health Prediction App

App User Manual

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Acknowledgements

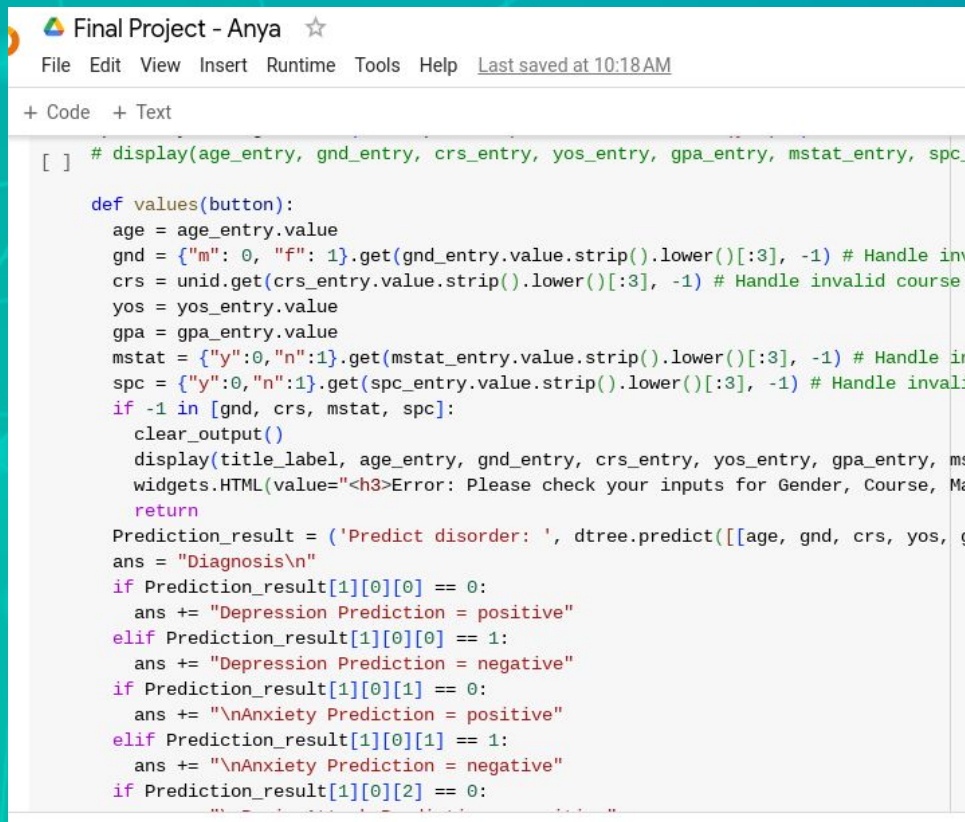
- A big thank you to all who have helped me in this journey of App Development. I would like to thank my parents - Mr. and Mrs. Kumar, Mr Ken, Clevered, My Mentor - Ms. Mani, and others who have really contributed to this learning experience.

About Me..



- I am Anya Kumar
- I am 14 years old
- I am in 9th grade
- I live in
Winterville, NC,
USA
- I have an interest
for AI and
Machine Learning

About My Internship with Clevered..

A screenshot of a code editor window titled "Final Project - Anya". The editor shows Python code for a machine learning application. The code includes a function `values(button)` that takes input from several text entry fields (age, gender, course, year of study, GPA, and mental status) and uses a decision tree model to predict depression and anxiety disorders. The code handles invalid inputs and displays the results in a text area.

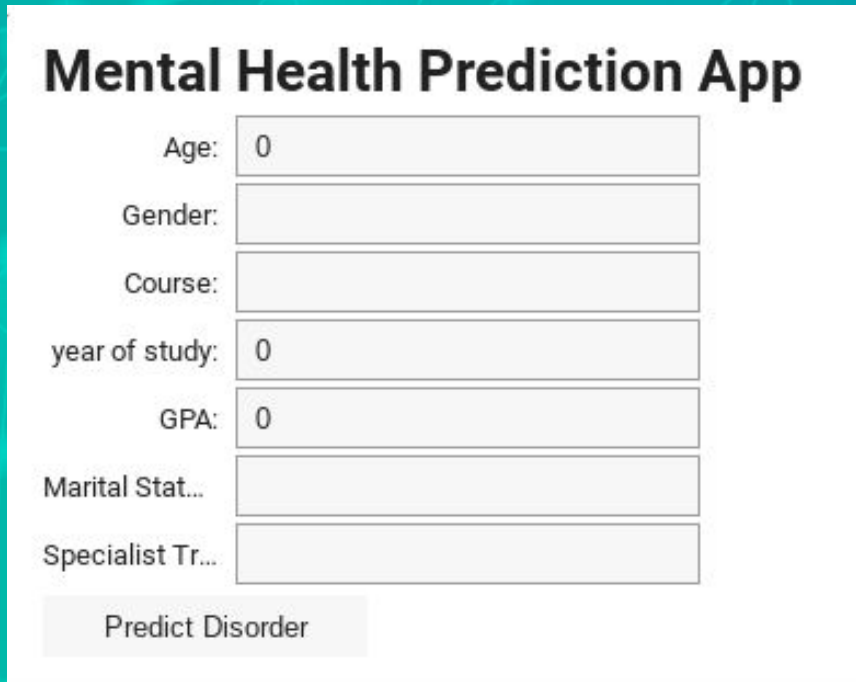
```
[ ] # display(age_entry, gnd_entry, crs_entry, yos_entry, gpa_entry, mstat_entry, spc_

def values(button):
    age = age_entry.value
    gnd = {"m": 0, "f": 1}.get(gnd_entry.value.strip().lower()[:3], -1) # Handle inv
    crs = unid.get(crs_entry.value.strip().lower()[:3], -1) # Handle invalid course
    yos = yos_entry.value
    gpa = gpa_entry.value
    mstat = {"y":0,"n":1}.get(mstat_entry.value.strip().lower()[:3], -1) # Handle in
    spc = {"y":0,"n":1}.get(spc_entry.value.strip().lower()[:3], -1) # Handle invali
    if -1 in [gnd, crs, mstat, spc]:
        clear_output()
        display(title_label, age_entry, gnd_entry, crs_entry, yos_entry, gpa_entry, ms
        widgets.HTML(value="<h3>Error: Please check your inputs for Gender, Course, Ma
    return
    Prediction_result = ('Predict disorder: ', dtree.predict([[age, gnd, crs, yos, g
    ans = "Diagnosis\n"
    if Prediction_result[1][0][0] == 0:
        ans += "Depression Prediction = positive"
    elif Prediction_result[1][0][0] == 1:
        ans += "Depression Prediction = negative"
    if Prediction_result[1][0][1] == 0:
        ans += "\nAnxiety Prediction = positive"
    elif Prediction_result[1][0][1] == 1:
        ans += "\nAnxiety Prediction = negative"
    if Prediction_result[1][0][2] == 0:
```

- I had a great and beneficial experience with Clevered! I learned many new concepts and have been exposed to many things along the way preparing this app.
- I have earned a rockstar badge for attentiveness, and a badge for project completion.

About App..

- **App's Main Menu:**



The screenshot shows the main menu of the 'Mental Health Prediction App'. It features a title 'Mental Health Prediction App' at the top. Below the title are several input fields for user data: 'Age' (with '0' entered), 'Gender', 'Course', 'year of study' (with '0' entered), 'GPA' (with '0' entered), 'Marital Stat...', and 'Specialist Tr...'. At the bottom of the form is a button labeled 'Predict Disorder'.

Mental Health Prediction App

Age: 0

Gender:

Course:

year of study: 0

GPA: 0

Marital Stat...

Specialist Tr...

Predict Disorder

- The Mental Health Prediction App is a platform that will predict the Depression, Anxiety, or Panic Attack level in college students of different courses, ages, and years.
- This app is created on google colab and includes concepts of machine learning.

How do I use the App?

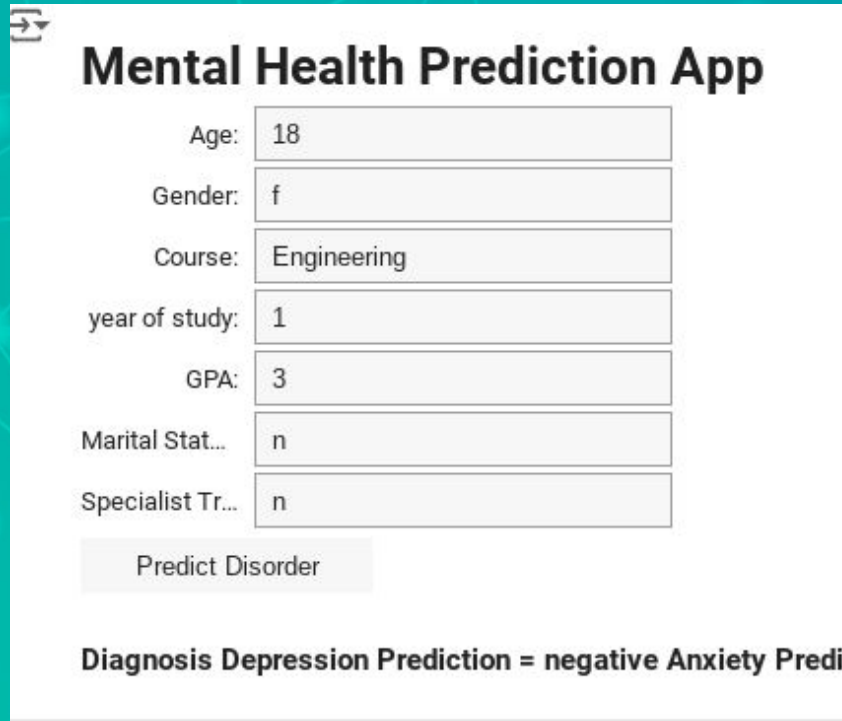
Mental Health Prediction App

Age:	18
Gender:	f
Course:	Engineering
year of study:	1
GPA:	3
Marital Stat...	n
Specialist Tr...	n

Predict Disorder

- When entering the gender, make sure to use “f” for female, “m” for male.
- When entering the marital status and specialist treatment, use “y” for yes, and “n” for no.
- To use the app, you will enter the following information presented on the screen.
- Then you will click the “Predict” button to find out the level of depression, anxiety, or panic attack.

Considerations/Dependencies



The screenshot shows a web application titled "Mental Health Prediction App". It features a form with several input fields: "Age" (18), "Gender" (f), "Course" (Engineering), "year of study" (1), "GPA" (3), "Marital Stat..." (n), and "Specialist Tr..." (n). Below the form is a button labeled "Predict Disorder". At the bottom, a text line reads "Diagnosis Depression Prediction = negative Anxiety Predi".

Field	Value
Age:	18
Gender:	f
Course:	Engineering
year of study:	1
GPA:	3
Marital Stat...	n
Specialist Tr...	n

Predict Disorder

Diagnosis Depression Prediction = negative Anxiety Predi

- While using the app, it is important to take into consideration the dependencies:
 - The user must be running the program on google colab.
 - The user must have a stable/good internet connection source.

Contact Person

- Please reach out to Anya Kumar at saanya0328@gmail.com for any questions/ concerns/ suggestions on the App.



Thank you!