




# CAREER PREDICTOR



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# Introduction

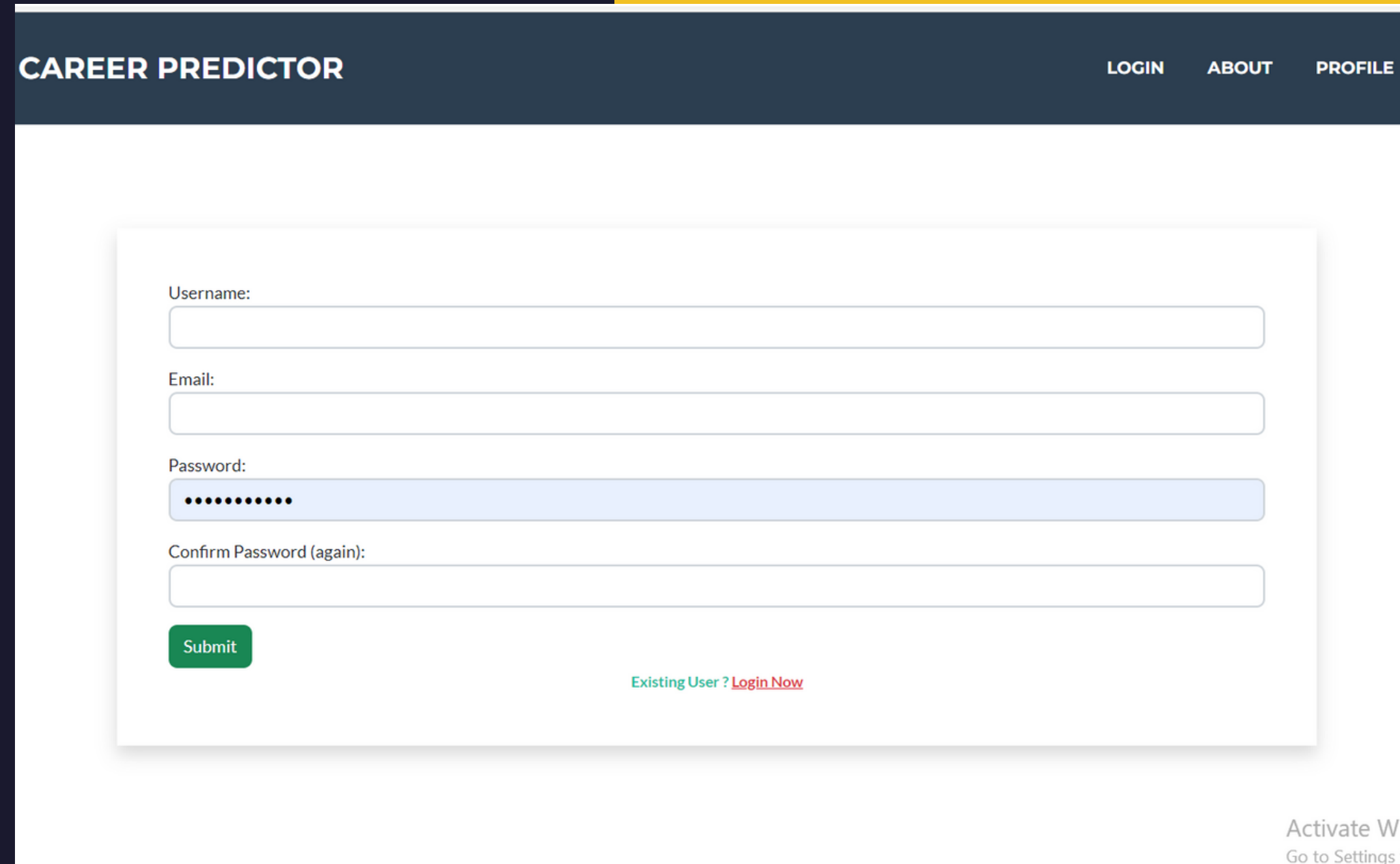
In today's world, people have so many options of products, movies, restaurant and their career domains. With so many different jobs available, it can be difficult for individuals to determine their skill and professional objectives. Sometimes an individual may get very confused about which career areas to process through. An individual continuously needs to evaluate skills, interest and certifications to decide their career paths. Recommender Systems are an integral aspect of daily life, since individuals rely on knowledge to make decision in their best interest.

# Problem Statement

To build a career recommender system which recommends the best suitable career option for an individual.

# Project Features

1.Login/Signup page:  
Enables user to use the  
system by registering  
or logging in.



The screenshot displays the 'CAREER PREDICTOR' web application interface. At the top, a dark blue header contains the title 'CAREER PREDICTOR' on the left and navigation links 'LOGIN', 'ABOUT', and 'PROFILE' on the right. The main content area is white and features a central login/signup form. The form includes four input fields: 'Username:', 'Email:', 'Password:', and 'Confirm Password (again):'. The 'Password:' field is currently filled with ten black dots. Below the 'Confirm Password' field is a green 'Submit' button. To the right of the 'Submit' button, there is a link that reads 'Existing User ? [Login Now](#)'. At the bottom right of the page, there are two additional links: 'Activate W' and 'Go to Settings'.

CAREER PREDICTOR

LOGIN ABOUT PROFILE

Username:

Email:

Password:

Confirm Password (again):

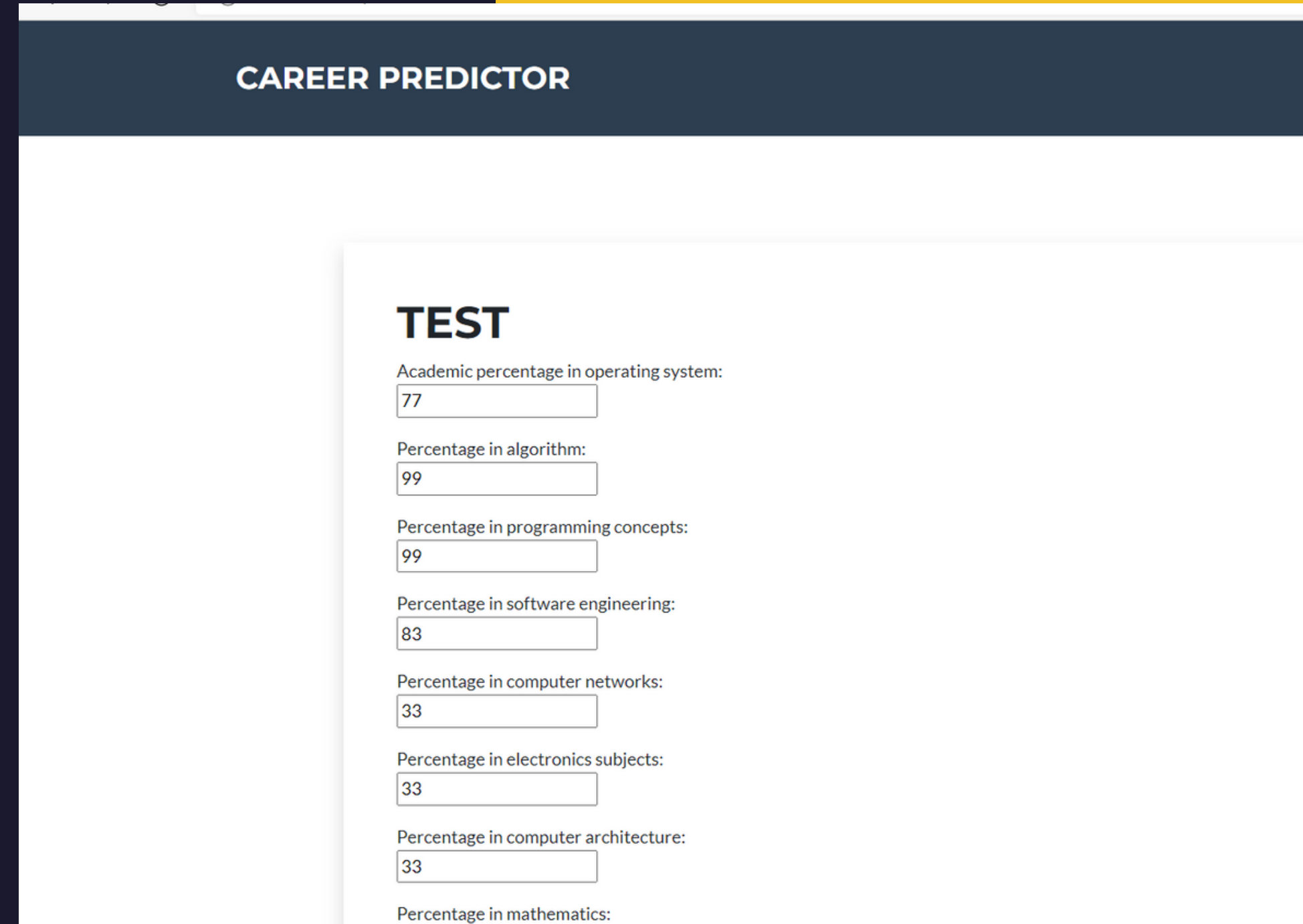
Submit

Existing User ? [Login Now](#)

Activate W  
Go to Settings

# Project Features

2.Home page: Displays form that the user has to fill so the system can predict a career.

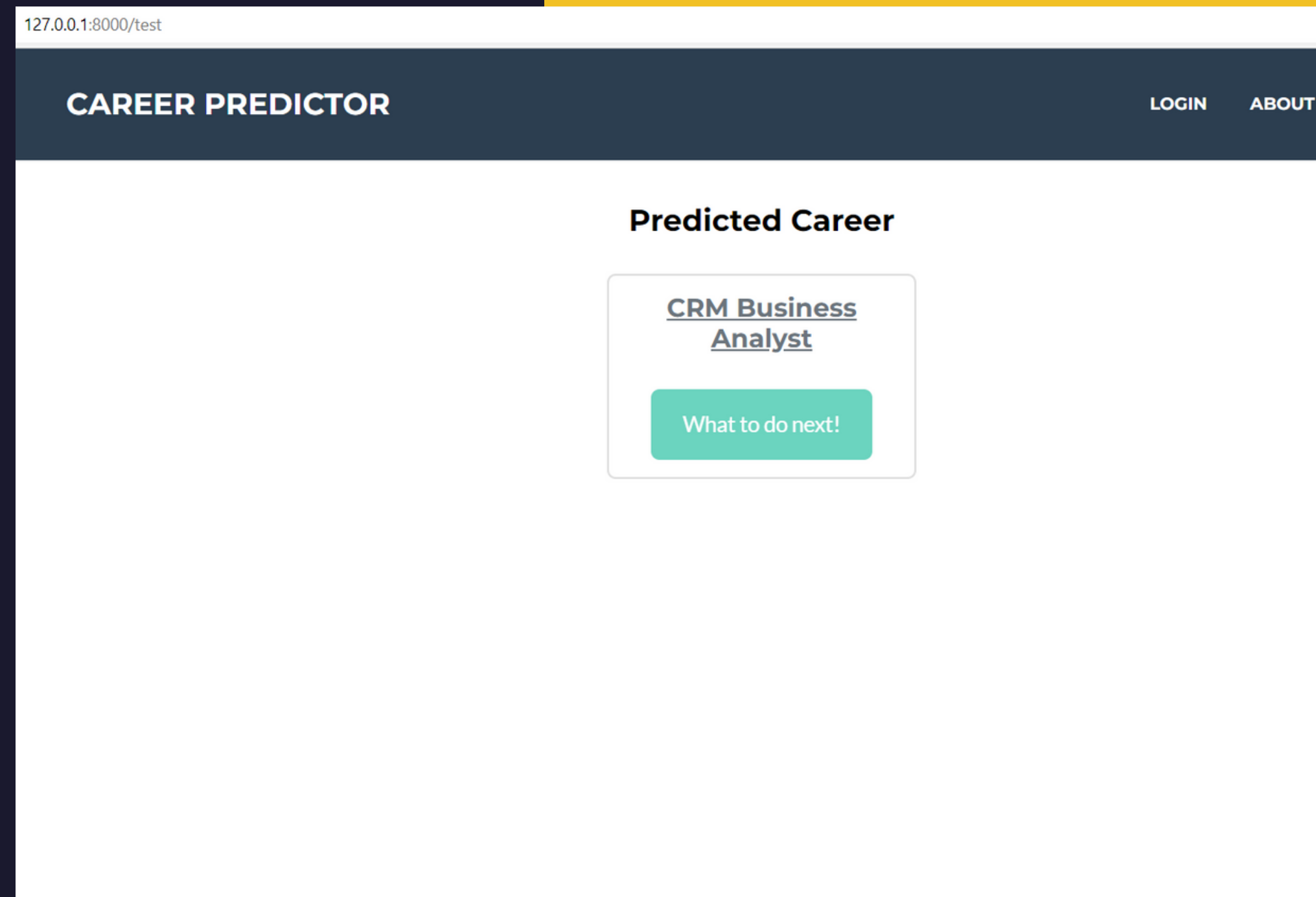


The screenshot displays the 'CAREER PREDICTOR' web application. It features a dark blue header with the title 'CAREER PREDICTOR' in white. Below the header is a white main content area. On the right side of the page, there is a white card titled 'TEST' in bold. This card contains a series of input fields for academic percentages, each preceded by a label. The values entered in the fields are: 77 for 'Academic percentage in operating system', 99 for 'Percentage in algorithm', 99 for 'Percentage in programming concepts', 83 for 'Percentage in software engineering', 33 for 'Percentage in computer networks', 33 for 'Percentage in electronics subjects', 33 for 'Percentage in computer architecture', and an empty field for 'Percentage in mathematics'.

Subject	Percentage
Academic percentage in operating system:	77
Percentage in algorithm:	99
Percentage in programming concepts:	99
Percentage in software engineering:	83
Percentage in computer networks:	33
Percentage in electronics subjects:	33
Percentage in computer architecture:	33
Percentage in mathematics:	

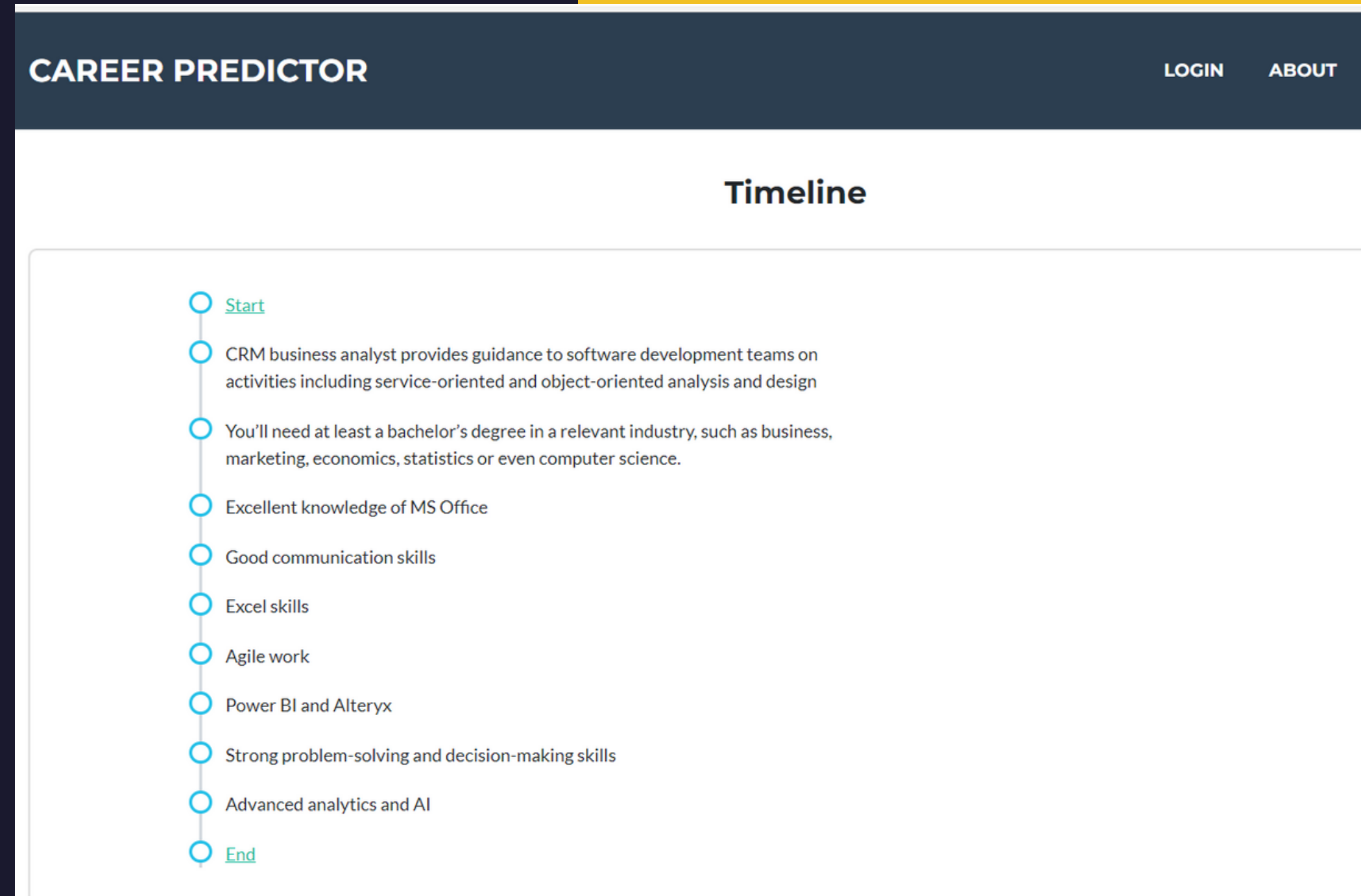
# Project Features

3. Result page: It shows the career which has been predicted by the data provided by the user.



# Project Features

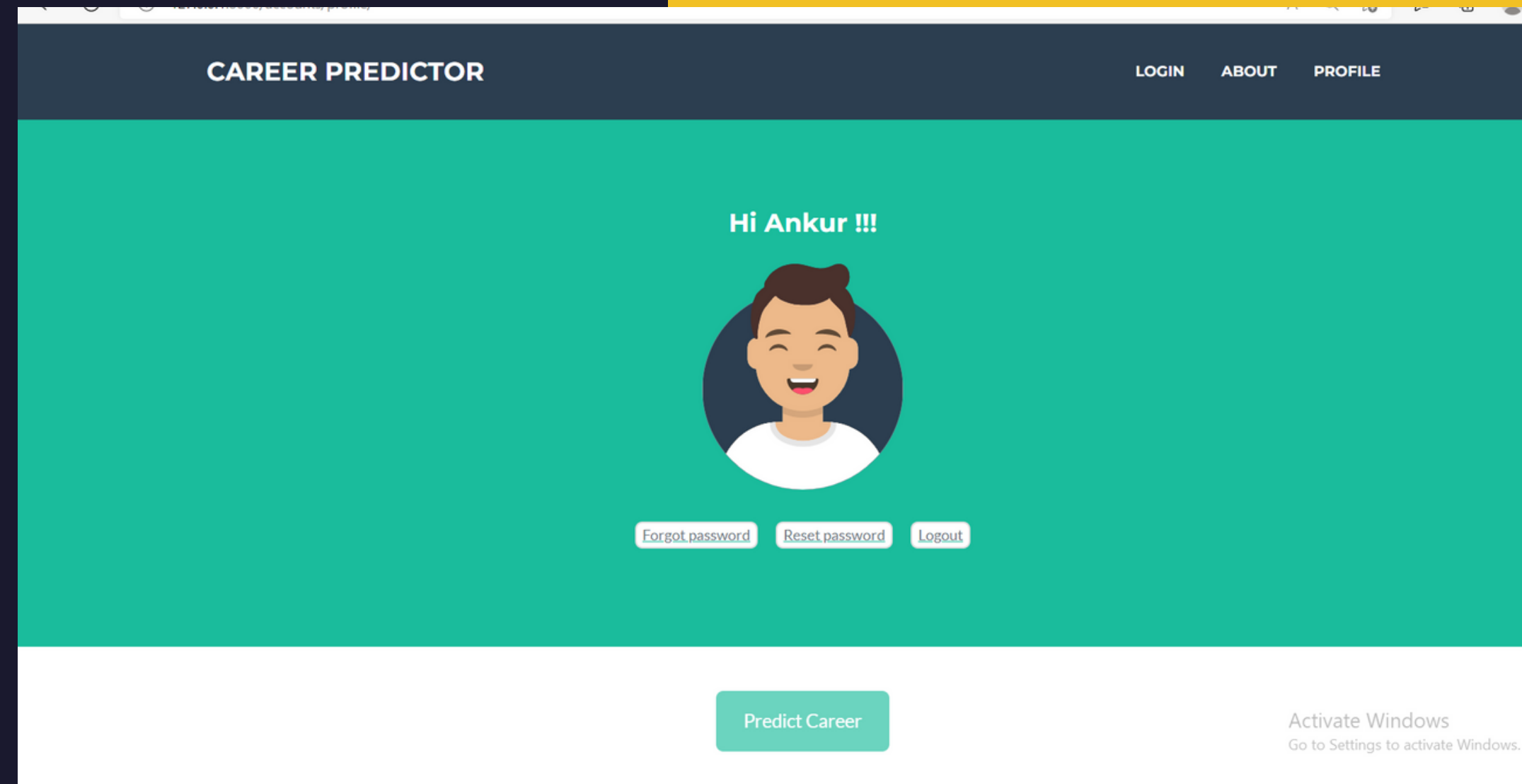
3. Road map: After the career is predicted, the user will get a road map of how to go about to achieve it.





# Project Features

4. Profile: It contains settings such as forgot password, reset password and teake the test.



# Tools and Technologies used

Dataset from Github

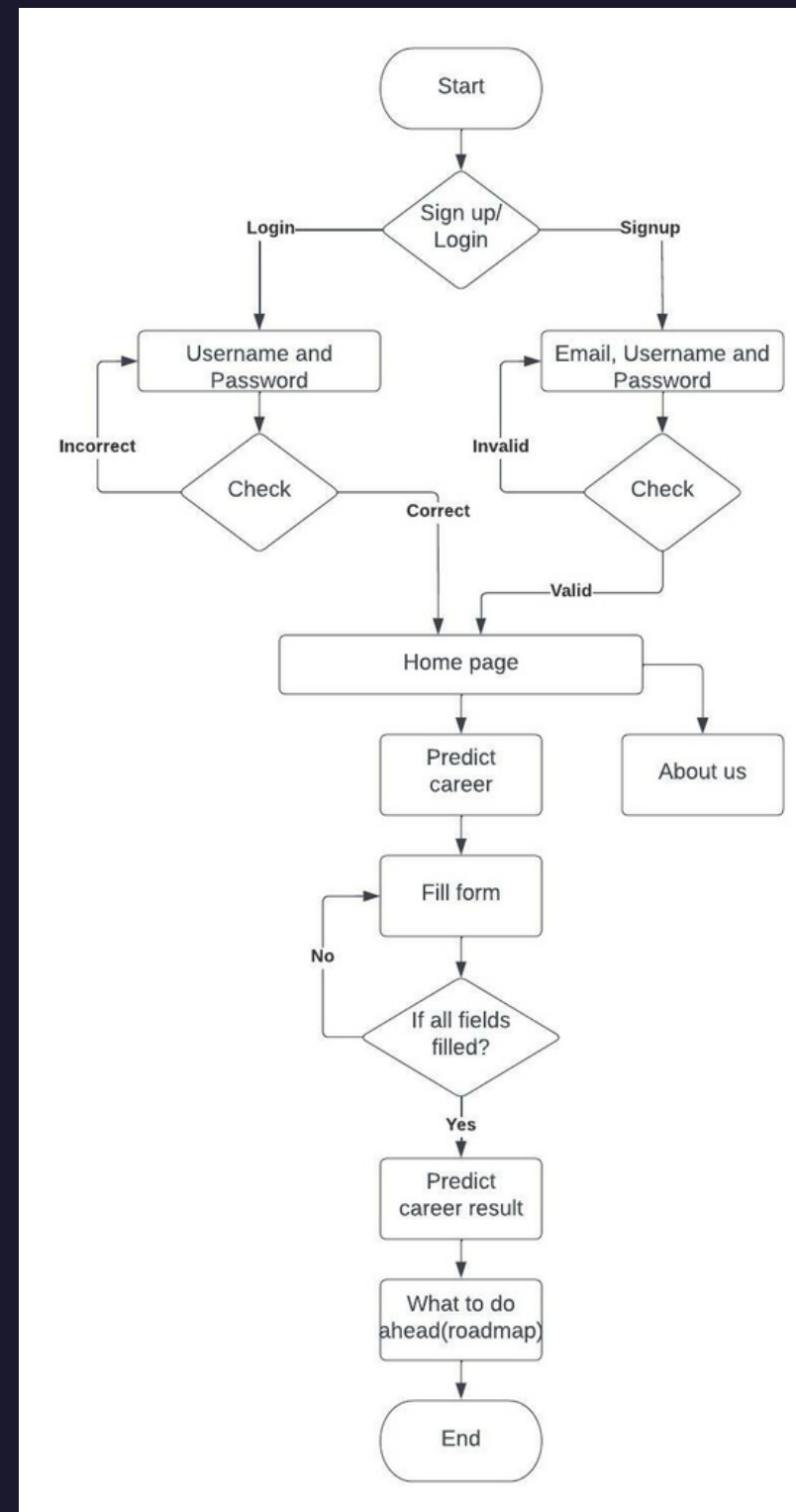
Front-end : Html, CSS, JavaScript

Back-end: Django(predefined sqlite database used), Python

# Scope of the Project

A full stack website that supports users to find the best career opportunity for their overall growth. Users can find opportunities related to either their education or jobs. The website is facilitated using HTML, CSS, Javascript and Django. We have based our project on the machine learning algorithm “Naive-bayes” which is a probability-based algorithm for multi class classification.

# Flowchart



# Future enhancement

Every day new programs are introduced and continuously increasing. So further decomposition may be needed in order to have more specialized fields of study.

We can include a chat bot which will act as a assistant to the user for filling the form and also assist the user throughout the process.

We can also add add a feature in which we can suggest courses that will be an asset to the user for achieving their career goals. This will be done by Web scrapping.

# Conclusion

As a conclusion, Indecisive prospective individuals are to be guided to select career paths. Further, existing solutions lacking in the use of students' skills, interests and academic performance towards filtering a possible recommendation. The design process considered the factors such as academic performance of the user's school results; his/her skills from activities and interests. The main benefit of Career Recommender System is the prospect to recommend a career path.



# THANKS

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