DISHA : A CARRER MAP APPLICATION

Overview:

This project aims to build an interactive interface which will provide the user comprehensive information about the world of careers in a creative way. The application will aid the user in making an informed choice in choosing a career and also help one already on a path to go in the right direction by providing assistance on various aspects.

Sailent Features:

1. A web application and an android app as an interactive interface where the user can input the required details.

2. A map which shows user's current position on a path to his destination along with major milestones on   the way.

3. The details of all the careers to be displayed in an interesting manner.

 Each career will contain the following information with appropriate links along the career map:

 (Example: A student in 9th classes enters that he wants to become an Engineer, then the following details regarding 10th class exams, required percentage, the group that can be taken in 11th standard along with colleges, Government hostels, scholarships available and various colleges/universities offering the course for engineering, entrance exams to be written, their formats along with the details of graduation, fees, job opportunities after graduation and higher education options along research opportunities available)

# Software requirement specification

1. User point of view (From the landing page of the web app)
   1. Guest
      1. Can view a few instances of the general maps.
      2. Can click on login with FB and register / login (OAuth)
      3. **Manual Login (If somebody registers he will be sent username/password)**
      4. Can read all the static pages, like about us, contact us etc
   2. User (Only after getting an account , can a user proceed further)
   3. The user will have to fill a a form which will detail his/her educational background. Starting with class 6th and other pivots. (explained further)
   4. User will get access to his carrer map profile where he can

1)access and save his map (user will have to specify his startpoint and endpoint.

2)receive notifications about map/content revisions by the administrator

3) write feedback for levels/pivots he has completed . (Subject to admin moderation)

**DATA**

**What we will have in the Database/Cloud** :

1)Till School Level : Some science projects , Google Science Fairs and Int

School Competitions

2)Till 10th level : Pathways for tackling 10th boards. Separate data for different Stateboards/CBSE/ICSE. Test Series Infos . (No Coaching Centers because that would encourage targeted marketing ).

3) **After 10th level** : Good Inter Colleges or Schools depending on 10th results and user’s location. This level is critical because actual career planning comes into play from here.

**Pivots :**

We will have a concept of pivots at levels which are critical and which decide the way forward. 10th would be the first pivot because 10th percentage is critical. The app will also aim to provide extra info about pivots. (Objective :To provide info about doing good at certain pivots)

**In the registration form pivot information has to entered without fail if the user has cleared that pivot. This will decide his way forward. (Ensure necessary validations /regex)**

**Different Streams and their details.**

In the backend the data will diversify from this level. Uptil this level everything was more or less linear.

So along with Juniorcollege/12th the student can go for one/more of the following diversifications.

Diversification Pattern

**Example Data** :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Junior college/12th* | *Engineering* | *Medical* | *Commerce* | *Law* | *Arts* |
| Subjects that the student can take | Requisite Subject in 12th | Requisite Subject in 12th | Requisite Subject in 12th | Requisite Subject in 12th | Requisite Subject in 12th |
| Materials that can be subscribed | Materials that can be subscribed | Materials that can be subscribed | Materials that can be subscribed | Materials that can be subscribed | Materials that can be subscribed |
| Required Test Series/Practice. | Info about Engineering Entrances | Info about MBBS Entrances | Info about Commerce major area | Info about CLAT/Law colleges | Info about colleges. |

**4) After 12TH Level** (For each diversification)

1)Colleges Information (Detailed Fee Structures along with necessary **moderated feedback)**

2)Information about different college and industry ambassador programs,

Contests ,internship and industry exposure oppurtunities. (Not specific

Because we already have many web applications doing that. We won’t

entertain that domain. We have to keep it general and objective.

5)**After College Level** (For each diversification)

1)Research pathways

2)Masters Information

3)Phd Information

**DATA RENDITION**

After we have formed our data and relationships we need to map the data based on user selected endpoints (from step d1). This shall be done in a nice and engaging Map highlighting the pivots with green. Each pivot will have its own page where we detail the info about the importance and resources for that pivot. (Pivots would be 10th, 12th, College CGPA/SGPA, master’s grades). While other levels will be just points (let’s say red). Info about these levels can be displayed in tooltip.

**User Interface**

1. User can access their own dashboard/Profile Page

Dashboard will contain

* + 1. Query new map. (Get a new map based on new inputs)

ii Saved Maps

iii Recent Updates about levels/pivots in his saved maps.

**Administrator**

* + 1. CMS for static pages
       1. Can add/ update/ delete/ list pages

Static Pages (About us, Disclaimers ,Announcements)

Menu

* + 1. Home (Users Dashboard /Profile Page)
    2. About us
    3. Contact us
    4. Disclaimers
    5. Announcements
  1. Global
     1. Login using FB / Logout
  2. Social integration
     1. Each page should have a Like / share button
     2. OAuth activity integration: Activities for the site can be posted in FB profile activities.

# Possible Technologies to be used

1. MYSQL Backend **or** Google/Windows Azure Cloud tables for data.
2. PHP for server programming and logic. Extracting data and rendering HTML
3. Backbone.js for front end management
4. Not sure about rendition of the maps right now. Open to suggestions ☺