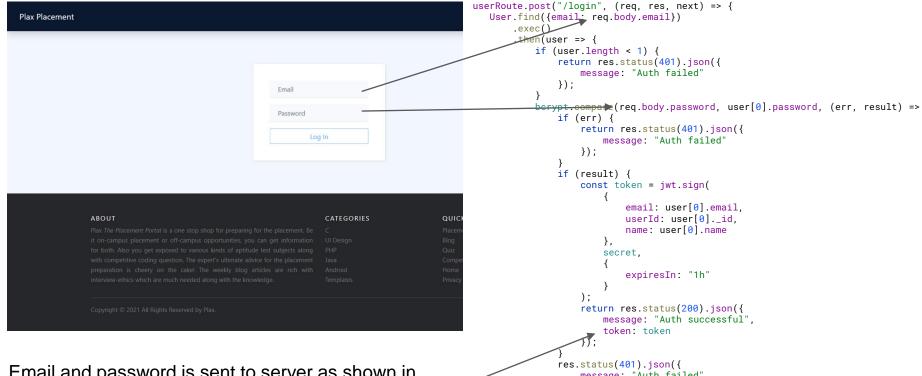
University Placement Portal

Code snippet with brief

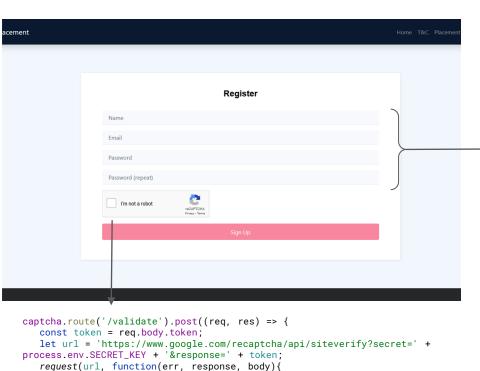
Sahil Bhuva

Devanshee Vankani



Email and password is sent to server as shown in code snippet and on verification either a token or message is returned to the end user.

```
berypt.compa⊫e(req.body.password, user[0].password, (err, result) => {
                   message: "Auth failed"
               });
           });
       })
       .catch(err => {
           console.log(err);
           res.status(500).json({
               error: err
           });
       });
});
```



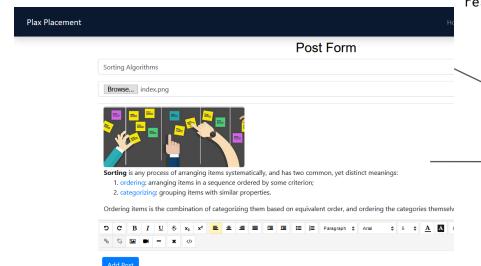
Here, email has to be unique so first email is unique or not that is confirmed after that user is added to the database. reCAPTCHA is verified by fetching response from reCAPTCHA api.

res.send(JSON.parse(body));

})

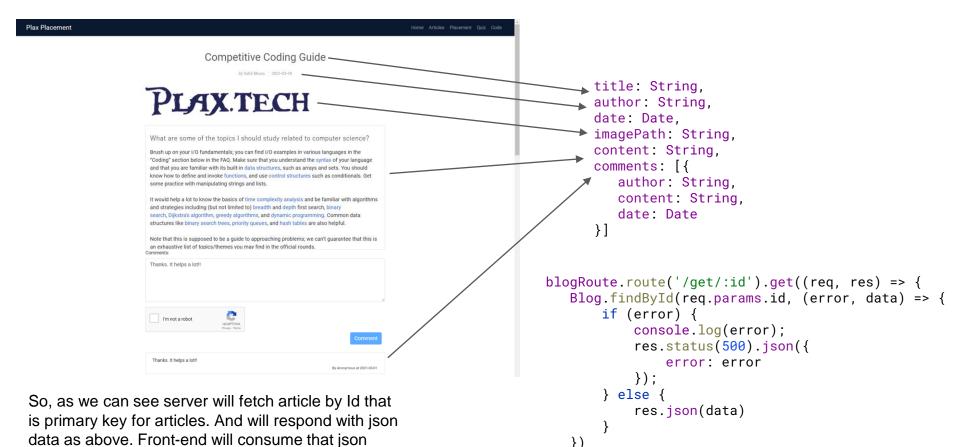
})

```
userRoute.post("/signup", (req, res, next) => {
   User.find({email: req.body.email})
       .exec()
       .then(user => {
           if (user.length >= 1) {
               return res.status(409).json({
                   message: "Mail exists"
               });
           } else {
               bcrypt.hash(req.body.password, 10, (err, hash) => {
                   if (err) {
                       return res.status(500).json({
                           error: err
                                         Creates new user
                       });
                   } else +
                       const user = new User({
                           _id: new mongoose.Types.ObjectId(),
                           name: req.body.name.
                           email: req.body.email,
                           password: hash.
                           roles: [req.body.roles]
                       });
                       user
                            .save()
                           .then(result => {
                               console.log(result);
                               res.status(201).json({
                                   message: "User created"
                               });
                           })
                           .catch(err => {
                               console.log(err);
                                res.status(500).json({
                                   error: err
                               });
                           });
               });
          }
       });
});
```

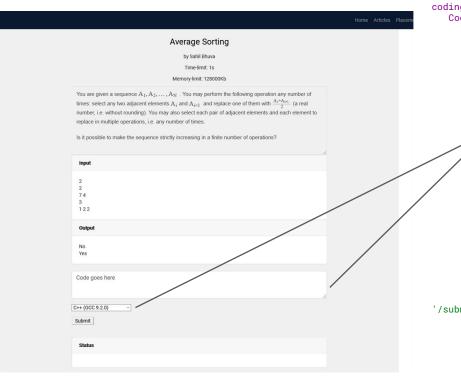


Here, first it has to pass from the middleware to confirm user is authenticate. Once verified, Users details is added to req object. After that, image will be uploaded to cloud storage that will return image URL. Next step will add data to the database and success or respective status code will be given to the end user.

```
blogRoute.route('/add/post').post(checkAuth, async (req,
res) => {
  try {
       const image = reg.file
       const _id = new mongoose.Types.ObjectId();
       const imageUrl = await uploadImage(image, _id)
       Blog.create({
           _id: _id.
         title: req.body.title,
           author: reg.user.name,
           imagePath: imageUrl,
         content: req.body.content,
           comments: req.body.comments
       }, (error, data) => {
           if (error) {
               console.log(error);
               res.status(500).json({
                   error: error
               });
           } else {
               res.json(data)
   } catch (error) {
       console.log(error);
       res.status(500).json({
           error: error
       });
});
```

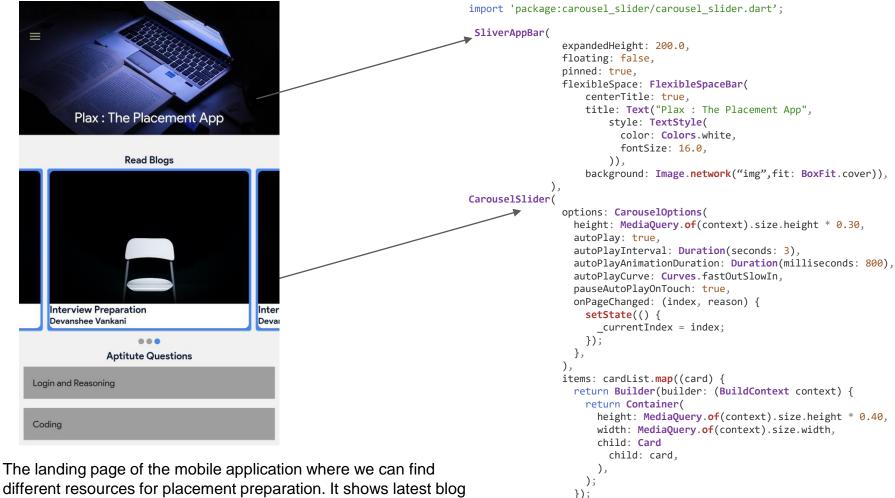


response and beautify the response.



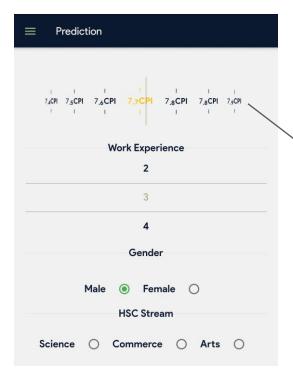
Here, first of all test cases input, output, time limit and memory limit will be fetched from the question. Source code and language id is fetched from user input. And submission data is send to the server that compiles and runs our code. After receiving output from the server. Status, error and compilation output is given to the end user.

```
codingRoute.route('/create/submission/:id').post((req, res) => {
  Coding.findById(req.params.id, (error, data) => {
       if (error) {
           console.log(error);
           res.status(500).json({
               error: error
           });
       } else {
           submission = {
               "source_code": encode(req.body.source_code),
               "language_id": req.body.language_id,
               "number_of_runs": "1",
               "stdin": encode(data.TestCases[0].test),
               "expected_output": encode(data.TestCases[0].output),
               "cpu_time_limit": data.TimeLimit,
               "cpu_extra_time": "0.5",
               "wall_time_limit": "5",
               "memory_limit": data.MemoryLimit,
               "stack_limit": "64000",
               "max_processes_and_or_threads": "60",
               "enable_per_process_and_thread_time_limit": false,
               "enable_per_process_and_thread_memory_limit": false,
               "max file size": "1024"
           console.log(submission);
           request({
               url: process.env.CODE SERVER URL +
'/submissions?base64_encoded=true&wait=true',
               method: "POST",
               json: true,
               body: submission
           }, function (error, response, body) {
               var status = body.status.description;
               var stderr = decode(body.stderr);
               var compile output = decode(body.compile output):
               r = {
                   status: status,
                   stderr: stderr.
                   compile_output: compile_output
               res.status(200).json(r);
           });
   })
});
```



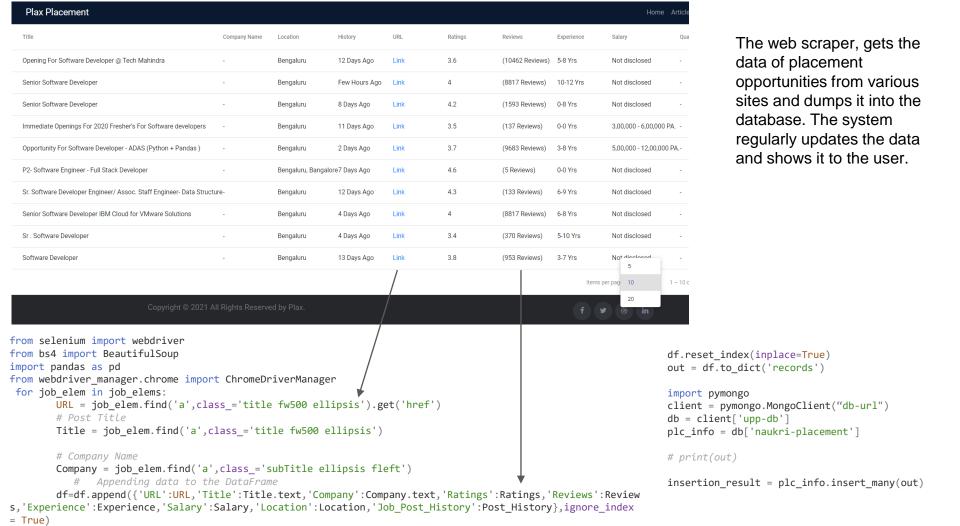
}).toList();

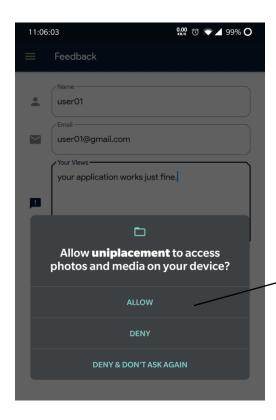
different resources for placement preparation. It shows latest blog articles, placement opportunities and coding questions.



The user needs to enter the data using different controls. The linear regression model is trained and hosted on GCP. It is accessed as an API via Flask. The user data is send in JSON format to the model and the JSON response is received which tells the user whether he/she will be placed or not.

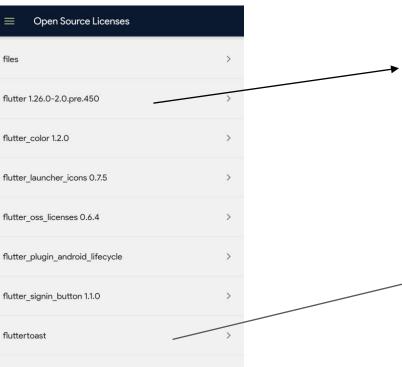
```
import pandas as pd
from sklearn.model selection import train test split
X train, X test, y train, y test = train test split(X, y,train size=0.8,random
_state=1)
# studying and refining dataset.
# predict if a student is placed or not.
from sklearn.linear model import LogisticRegression
logreg = LogisticRegression()
logreg.fit(X_train, y_train)
# host the model using flask.
from flask import Flask, request, jsonify
import traceback
import pandas as pd
app = Flask( name )
@app.route('/predict', methods=['POST'])
def predict():
            json = request.json
            print(json )
            query = pd.get_dummies(pd.DataFrame(json_))
            query = query.reindex(columns=model columns, fill value=∅)
            prediction = list(lr.predict(query))
            return jsonify({'prediction': str(prediction)})
        except:
            return jsonify({'trace here': traceback.format_exc()})
    else:
        print ('Train the model first')
       return ('No model here to use')
```





Feedback forms helps us to know user experience. User can also report bugs and upload screenshot/file and help us improve.

```
import 'package:image_picker/image_picker.dart';
Container(
            padding: const EdgeInsets.only(left: 130.0, top: 40.0),
            child: MaterialButton(
              color: uniFeedbackColor,
              elevation: 5,
              child: new Text('Add A Screenshot'),
              onPressed: () async {
                var file =
                   await ImagePicker.pickImage(source: ImageSource.gallery);
                var res = await uploadImage(file.path);
                setState(() {
                  state = res;
                  print(res);
  Future<String> uploadImage(filename) async {
   var request = http.MultipartRequest('POST', Uri.parse(url));
   request.files.add(await http.MultipartFile.fromPath('file', filename));
   var res = await request.send();
   return res.reasonPhrase;
```



Here, first of all test cases input, output, time limit and memory limit will be fetched from the question. Source code and language id is fetched from user input. And submission data is send to the server that compiles and runs our code. After receiving output from the server. Status, error and compilation output is given to the end user.

```
/// This code was generated by flutter oss licenses
/// https://pub.dev/packages/flutter oss licenses
final ossLicenses = <String, dynamic>{
"flutter": {
      "name": "flutter",
      "description": "A framework for writing Flutter applications",
      "homepage": "http://flutter.dev",
      "authors": ["Flutter Authors <flutter-dev@googlegroups.com>"],
      "version": "1.26.0-2.0.pre.450",
      "license":
          "Copyright 2014 The Flutter Authors. All rights reserved.\n\nRedistr
ibution and use in source and binary forms, with or without modification,\nare
 permitted provided that the following conditions are met:\n\n ",
      "isMarkdown": false,
      "isSdk": true.
      "isDirectDependency": true
 static Future<List<String>> loadLicenses() async {
    // merging non-dart based dependency list using LicenseRegistry.
    final ossKeys = ossLicenses.keys.toList();
    final lm = <String, List<String>>{};
    await for (var 1 in LicenseRegistry.licenses) {
      for (var p in 1.packages) {
       if (!ossKeys.contains(p)) {
          final lp = lm.putIfAbsent(p, () => []);
          lp.addAll(1.paragraphs.map((p) => p.text));
          ossKeys.add(p);
   for (var key in lm.keys) {
      ossLicenses[key] = {'license': lm[key].join('\n')};
   return ossKeys..sort();
```

