



PythonTeek

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1 Introduction

The story started when Dr. Reza Ghanbari decided to teach programming to his 10-year-old son (Ali Ghanbari) in the summer of 2018, when schools were closed due to the spread of Corona virus. When they realized how much Ali showed interest in programming because of the joy of creation, they asked Dr. Khatire Ghorbani Moghadam to teach their son Python programming language completely. It was then that this idea came to Dr. Ghanbari's mind that it is possible to teach Python to all children. This idea was completed after several meetings between Dr. Ghanbari, Dr. Ghorbani and Dr. Donya Heydari in January 1400 in the optimization laboratory of Ferdowsi University of Mashhad. On May 1st, 1401, the first face-to-face class was held and on July 1st, 1401, the first Python Tech virtual class was held.

2 About website

In addition to the main page, this website includes four basic panels. These panels are as follows:

- Admin panel
- Panel of teachers
- Student panel
- Finance panel

Also, there are some activities of site users (for example, uploading resumes in the job opportunities section) on the website, which are discussed in the admin panel.

3 Admin panel

This panel manages the entire system. In the first step, you can see a list of all users who have logged in to this panel with full details.

Login report					
Show <input type="text" value="10"/> entries		Search: <input type="text"/>			
Time Zone ▲	Time ⚙	IP ⚙	Name ⚙	ID ⚙	col ⚙
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۳۱ ۱۶:۰۹:۲۴	۵۱.۲۵.۱۱۰.۲۰۶	Sajjad Ranjbar	۹۹۵	۱
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۳۰ ۱۶:۱۷:۵۷	۵۱.۲۶.۱۶۶.۲۴۱	Sajjad Ranjbar	۹۹۴	۲
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۳۰ ۱۰:۰۱:۳۱	۲۱۷.۲۱۹.۲۴۵.۷۰	Mrs.Sharifi	۹۹۳	۳
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۴:۳۶:۲۵	۲۱۷.۲۱۹.۲۴۵.۷۰	Mrs.Sharifi	۹۹۲	۴
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۱:۵۸:۴۷	۳۷.۱۲۹.۶۱.۱۰۵	Administrator	۹۹۱	۵
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۱:۵۷:۴۶	۲۱۷.۲۱۹.۲۴۵.۷۰	Administrator	۹۹۰	۶
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۱:۱۹:۴۱	۳۷.۱۲۹.۶۱.۱۰۵	Mrs.Sharifi	۹۸۹	۷
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۱:۰۸:۲۸	۸۹.۴۳.۹۹.۱۶۲	Sajjad Ranjbar	۹۸۸	۸
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۱:۰۸:۲۱	۸۹.۴۳.۹۹.۱۶۲	Sajjad Ranjbar	۹۸۷	۹
Asia/Tehran Tehran/Asia	۲۰۲۳-۱۰-۲۹ ۱۱:۰۸:۱۹	۸۹.۴۳.۹۹.۱۶۲	Sajjad Ranjbar	۹۸۶	۱۰
Showing 1 to 10 of 993 entries		Previous	<input type="text" value="1"/>	2	3

Login reports

In the next section, managers can manage all matters related to the company's bootcamps. Site users can view the registration links and register a few weeks before the start of the bootcamps. Finally, the registered people's information as well as the deposit slips will be downloadable in the manager's dashboard.

لیست ثبت نامی ها						
Show 10 entries		Search: <input type="text"/>				
ردیف	نام	شماره تماس	کلاس	بوت کمپ	تاریخ ثبت درخواست	دانلود فیش
۱	پرواح ججت خواه	۰۹۳۹۷۴۰۲۹۵۲	دیتا ساینس	git	۲۰۲۳-۰۸-۱۲	آپلود نشده
۳	عرفان یگانه خراسانی	۰۹۱۵۵۲۲۶۰۴۰	گیت هاب	git	۲۰۲۳-۰۸-۱۲	آپلود نشده
۴	امیررضا امیری	۰۹۹۶۳۶۲۸۴۶۰	B۶	git	۲۰۲۳-۰۸-۱۱	آپلود نشده
۶	آیلین حیدری	۰۹۳۹۱۲۳۷۷۸۶	علم داده	git	۲۰۲۳-۰۸-۱۱	آپلود نشده
۷	شهاب زحمتی	۰۹۱۵۶۶۰۱۰۹۰	چهارم ابتدایی	git	۲۰۲۳-۰۸-۱۰	آپلود نشده
۱۰	ریحانه سلیمی	۰۹۳۹۴۹۱۲۸۰۷	غیر فراگیر	git	۲۰۲۳-۰۸-۰۷	آپلود نشده
۲	حسین قنبری	۰۹۱۵۳۵۹۷۱۵۳	گیت هاب	git	۲۰۲۳-۰۸-۱۲	دانلود
۵	مژدا ناظمی	۰۹۱۵۳۵۳۲۲۱۷	B۷	git	۲۰۲۳-۰۸-۱۱	دانلود
۸	طاها صدرا	۰۹۳۵۴۰۲۷۴۲۱	A۴	git	۲۰۲۳-۰۸-۰۸	دانلود
۹	پیمان نبی زاده	۰۹۱۲۶۰۲۴۵۰۹	B۶	git	۲۰۲۳-۰۸-۰۷	دانلود

Showing 1 to 10 of 10 entries

Previous 1 Next

Bootcamps

The **student section** consists of three sections:

- Students in class
- All students
- Site accounts

The first section shows the information of students who are currently in an active class. The tail section is related to the list of students who have registered in PythonteeK so far. The third part is related to all website accounts.

The site manager has the ability to delete, edit and add information to all these sections and can download the output reports in Excel format. Also, for large volume of data, the administrator can enter the information in the form of a csv file into the code database.

The **classes section** is one of the main sections of the site. In this section, administrators can make settings related to classes.

The algorithm of the classes is as follows: First, a school is defined. (Currently there are 6 schools) After the school, a number of courses are defined. Some of the current courses are:

- Python
- PowerBI
- data science

- pygame
- etc

After this step, you will come to class design. Each class is connected to a school and course. Students are also placed in these classes. Classes have different levels and students cannot enroll in all classes. In the student panel, students are validated for registration.



Classes

4 Student dashboard

This dashboard is designed to be used by students and parents. Every student can enter this dashboard if they have an account. If you don't have an account, you can register on the website. Required fields for registration are name and contact number. The password is chosen by the user himself with a series of conventional security conditions. Other features of the dashboard include:

- Personal information: record and edit personal information, parents' information and profile picture.
- Class selection: This feature is the first step in registration. This path will be explained later.
- My classes: the student can view and download all his assignments.
- Financial: All financial reports, tuition fees, payments, discounts, etc.
- My Discounts: Students can view their discounts and apply if needed.
- Report to parents: Teachers' grades and certificates can be seen in this section.
- Support: The support information is available to users.

Class registration path: Viewing the list of schools and choosing - choosing one of the classes of that school according to the authorized level - filing and invoice - payment

5 Financial dashboard

The financial dashboard is placed in the first step of the list of students in the financial affairs database. The operator defines the classes and fees in advance. (If the class fee is not defined, it will not be displayed on the students' dashboard.) Finally, he can view the paid fees and invoices and can make the necessary edits on them.

Discounts First, the operator can see the list of discount requests. It can also make discounts for students and classes using the generator. This discount will be displayed in the student panel.

6 Teachers dashboard

When teacher is added in the admin panel, his account is created by default. The features of his account are:

- Edit personal information
- Receive reports of classes and students
- presence and absence
- Upload assignments
- Upload the pamphlet
- Record scores
- Certificate issuance

7 Other features

News: The news registered in the management panel can be seen on the first page of the site.

Resumes: Job seekers can submit their resumes in the job openings section. These resumes will be visible in the management panel.

Final point

We read a brief explanation about what currently exists in Aceh. If you need more comprehensive information about the source code and database structure, you can contact the site programmers if you receive permission from the senior managers of the startup.

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