Assignment Projector Manages Help Handouts

https://eduassistpro.github.

Department of Computer Add We hive mative edu_assist_pr

Contents

Assignment Project Exam Help Motivation Scr

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Aims

Learning duttom We Chat edu_assist_properties of the control of th

Assessment

How many programming languages should you learn?

1 Academic / Educational viewpoint:

Learn programming language concepts and

- 2 An employer's viewpoint:

 Learn Aact Chose Voer ming attgree U_assist_process

 needs
- 3 Compromise: Spend most time on 1 but leave some time for 2 to allow more than one language from a class/paradigm to be learned
- ④ Problem: Which additional language do you cover?
 → Look what is used/demanded by employers

Introduction Motivation

Programming languages: Job ads

Software Developer
(Digital Repository)

LIVERPOOL

£31,020 - £35,939 pa

To work as p
with the https://eduassistpro.github.

functionality to integrate the repository with other intern

research outputs to be shared externally. You will be an exper Developer will be a SSIST_DI

Javascript. You will hold a degree in Computer Science or a rel and/or have proven industrial experience of software development. The post is full time, 35 hours per week.

Job Ref: A-576989

Programming languages: Job ads

Senior Software Development Manager IMDb Video and Recommendations (Seattle, WA)

Development Manager to lead our "What to Watch" team. You'll be charged with transf millions of p providers https://eduassistpro.github.

Basic qualifications:

Basic qualifications:

Bachelor degree in wordster biete, Golu_assist_properties.

- related technical discipline
 10+ years of experience as a software developer
- 5+ years experience managing people
- Software development experience in OOP, Java, Perl, HTML, CSS, JavaScript, Linux/UNIX, AJAX, MySQL

Introduction Motivation

Programming languages: Job ads

Full-time Remote Worker

AOL Tech (Engadget, TUAW, Joystiq, Massively)

Act get to poppe a preat from end excloser who and the present the

The ideal candidate is highly proficient in JavaScript/jQuery, comfortable with

PHP / myS technolo https://eduassistpro.github. is a must.

- High police of in West hat edu_assist_pr Familiar with spriting, lazy loading, and other gen
- performance-optimized techniques
- Mac access for compatibility with current tools
- HTML5/CSS3
- Git, SSH

Introduction Motivation

Websites and Programming Languages

Website	Client-Side	Server-Side	Database
ASS †21	rment	Project Jake	XBig Table, 43 iaDBD
Facebo		Python, UHP	
			, MySQL, sandra
YouT 1	tos://e	eduassistp	ro aithapp
	•	o a a a a a a a a a	roigitiras
Yahoo	JavaScript	PHP	reSQL
Amazon	daya Script / Gava Script	ca hat edu	_assist_p
Wikipedia	Java Script	opphal cuu	_assis <u>b_B</u> p
Twitter	JavaScript	C++, Java, Scala	MySQL
Bing	JavaScript	ASP.NET	MS SQL Server

Wikipedia Contributors: Programming languages used in most popular websites. Wikipedia, The Free Encyclopedia, 20 October 2017, at 11:28. http://en.wikipedia.org/wiki/Programming_languages_used_in_most_popular_websites [accessed 23 October 2017]

Scripting languages

Script

A user-readable and user-mortifiable program that performs simple 1personam Help

Scriptin

A prograhttps://eduassistpro.github.

Classical example: Shell scripts

#!/bin/shAdd WeChat edu_assist_profile in *; do wc -1 "\$file"

done

Print the number of lines and name for each file in the current directory

Scripting languages: Properties

- Program code is present at run time and starting point of execution
 - compilation by programmer/user is not needed

Assimply performed behind the scenes as an optimisation Help

- Prese of scrip
 - incl https://eduassistpro.github.
 - typically also includes a large collection of libraries
- Executation of derility is a color sever then the exassist prohability pre-compiled to machine code

```
#!/bin/sh
for file in *; do
    wc -l "$file"
done
```

Scripting languages: Properties

Rich and easy to use interface to the underlying operating system, in order to run other programs and communicate with them

S citi in un demperations in the property of the service of the se

- Easy in

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#!/bin/slAdd WeChat edu_assist_pr

```
for file in *; do
    wc -1 "$file"
```

done

(more t

Scripting languages: Properties

 Variables, functions, and methods typically do not require type declarations

sutengting the tree type declarations (autengting precing the type declarations Some built-in data structures

· Abilit https://eduassistpro.github.

JavaScript Add WeChat edu_assist_preserver x as y = 6; var y = 6; var str = "if (x > 0) { z = y / x } else { z = -1 }";

console.log('z is ', eval(str)); // Output: z is 3
x = 0;

console.log('z is ', eval(str)); // Output: z is -1

Scripting languages: Properties

Assignments et rejectet Exam Help for tracking visits to a web page

• The lan

- as it is that the state of the second state of
- with the original core and/or may duplicate existin
- During Ais Courties of Clanguage beautical assist_preserved
- → Language design of scripting languages is often sub-optimal

Assignment Project Exam Help

- To enable divident to write simple scripts ding the assist_property of applications in a variety of applications.

Learning Outcomes

At the end of the module students should be able to

Assiperation representation of the programming languages the start of the programming languages at the

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- g rapi

using an appropriate scripting language

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COMP284 Delivery

Delivery of the module (1)

- 1 Lectures
 - Structure:

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1 or 2 lectures per week spread over 9 weeks

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- RevAddurWeChathedu_assist_pr
- Additional self study using the recommended textbooks and the on-line material is essential

COMP284 Delivery

Delivery of the module (1)

- 2 Practicals
 - Structure:

Assignation with moths let 3 Per 2 PHP E Java Script Help get answers to questions about the lecture material

- sehttps://eduassistpro.github.

Practicals start in week 2

- Practices une and ty with artice Cell __assist__property of recap, use the worksheets available at
 - cgi.csc.liv.ac.uk.uk/~ullrich/COMP284/notes
- Practicals assume familiarity with the related lecture material

COMP284 Delive

How to learn a new programming language

• Once you know how to program in one programming language, additional programming languages are best learned by a process of

Assignment Project Exam Help Typically, the questions that guide you are

- Wh
- whhttps://eduassistpro.github.
- What happens if ...?

 Example: What have sif Cillivided by e?du_assist_property to the control of the control
- Example: How do I catch an exception?
- Talk to other people who are currently trying to learn the same language or have already learned it
 - → Ask what has surprised them most

COMP284 Delivery

How to learn a new programming language

• Once you know how to program in one programming language, additional programming languages are best learned by a process of enquirous matterns. Project Evans Helm

- Assignment Project Exam Help

 The best kind of learning is learning by doing

by https://eduassistpro.github. Work or You need to convince employers that you have

- more substantive than 'toy' programs

 The assuments are Green in abstance U_assist_pr
- → The assuments are two small

 but in reality are too small

 | Abstaution | Ab
- Employers value experience, in particular, the experience that you get from overcoming challenges
 - → Assignments that are not challenging are of limited value

COMP284 Delivery

Delivery of the module (3)

Office hours

Asslagan mangen beeling Office Exam Help
(U. Hustadt@liverpool.ac.uk)

- **A** Ann
 - https://eduassistpro.github.
 - Always use your university e-mail account if you want to contact me or any other member of staff

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Recommended texts

- Core reading
 - R. Nixon:

A Schedule Heaving PHP MySQL & JPScript Ject Learning PHP Hedition Harold Cohen Library: 518.561.N73 or e-book

- R. L. S
 - D'R https://eduassistplearning Perl, 7th edition.
- Further reading
 - M. David: HTM25 Cliping Winter Ctabilitation Edu_assist_procal Press, 2010.

 Harold Cohen Library: 518.532.D24 or e-book

Lecture 1

- N. C. Zakas:
 - Professional JavaScript for Web Developers.
- Wiley, 2009. Harold Cohen Library: 518.59.Z21 or e-book

COMP284 Assessment

Assessment

 This is a coursework-based module (no exam)

Deadline: Friday, 2 March, 17:00

Deadline: Mon PHP

Java

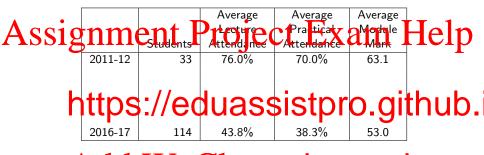
• Effo https://eduassistpro.github.

Available at: http://cgi.csc.liv.ac.uk/~ullrich/COMP284/

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COMP284 Assessment

Attendance and Performance



- From 2014 16 Green attre Column s assist_pi
- From 2015-16, the requirement to write a report on each prog
- Hypothesis 1: Lecture Attendance > 75% and Practical Attendance > 65%
 ⇔ Module Mark > 62

COMP284 Assessment

Academic Integrity

• Plagiarism occurs when a student misrepresents, as his/her own work, the work, written or otherwise, of any other person (including another

A signification of otherwise, of any other person (including another A significant Project Exam Help Collusion occurs where there is unauthorised co-operation between a

stude

• Fabri https://eduassistpro.github.

If you are found to have plagiarised work, colluded with o fabricated and then you real fail to the second to have plagiarised work, colluded with o fabricated and then you real fail to the fail to

Serious 'offenders' may be excluded from the University

Do not try to take a 'shortcut' You must do the work yourself!

COMP284 Assessm

Academic Integrity: Lab rules

 Do not ask another student to see any part of their code for a COMP284 assignment

Assignment le Project Exam Help Do not show or make available any part of your code relating for a

• Do no https://eduassistpro.github.

→ contravention of this leads to collusion

- · Lock yAdde Wochatoedu_assist_pr
- Where you use any material/code found on-line fo assignment, you must add comments to your code indicating its origin by a proper academic reference
 - → contravention of this is plagiarism
 - → acknowledged code re-use may still result in a lower mark

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