Entrance Questionnaire for the course

"Software development for start-up entrepreneurs"

at WHU, Vallendar, March/April 2014

http://softlang.wikidot.com/course:startup14

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Table of Contents

Purpose of this questionnaire

The accumulated data will be used to optimize the course for the audience. This concerns the content covered, the level of technical detail provided, the kind of homework given to the students, the form of teamwork recommended to the students, and the grading scheme to be applied – all in the interest of an interesting and fair student experience.

Anonymity of the participants

All data is treated anonymously. Please do not enter your name on the form.

If you do not want to participate, that's Ok. Please return only properly completed forms.

Questions

Software development concepts

Which of these concepts do you know about beyond the most basic level?

☐ Web server

☐ Relational database

☐ Model view controller

☐ Client-server architecture

☐ Web application framework

☐ Modeling (with UML for example)

☐ Interpretation versus compilation

☐ Functional programming

☐ Object-oriented programming

☐ HTTP-based Web APIs

☐ Exception handling

☐ Event handling

☐ Agile development

☐ Build management

☐ Version control

☐ Deployment

☐ Scrum

Self-assessment of skills

Which of these skills do you have?

☐ I can collaborate with developers in a business context.

☐ I can write and run simple computer programs in some programming language.

☐ I can test computer programs somewhat systematically.

☐ I can use version control for collaborative development.

☐ I can describe simple algorithms with simple mathematical models.

☐ I can describe the design of programs with simple software models.

☐ I can release a smartphone app through an AppStore.

☐ I can deploy a web application through a hosting platform.

(Claiming a certain skill should imply that you actually have practiced this skill in the near past.)

What are the programming languages you have noteworthy experiences with?

- ....
- ....
- ....

What are other software development-related technologies (IDE, VCS, testing, build management, etc.) you have noteworthy experiences with?

- ....
- ....
- ....

Learning objectives

Which of these learning objectives do you consider compelling for the course at hand?

□ To understand how software developers think and work.

□ To acquire basic skills of programming.

□ To improve skills of programming.

□ To acquire basic skills of web application development.

□ To acquire basic skills of "app" development for smartphones.

□ To acquire basic skills of software modeling.

□ To acquire basic skills of software architecture and design.

□ To handle technologies for build management and version control.

□ To aggregate IT skills for your potential startup idea now or in the future.

□ To figure out whether you may want to be a software developer.

Any objectives you would like to add?

- ....
- ....
- ....