

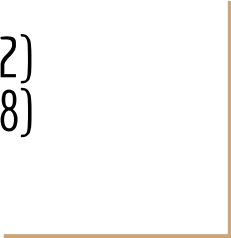


CSC 890 Graduate Seminar

Business Model Canvas

Team 04

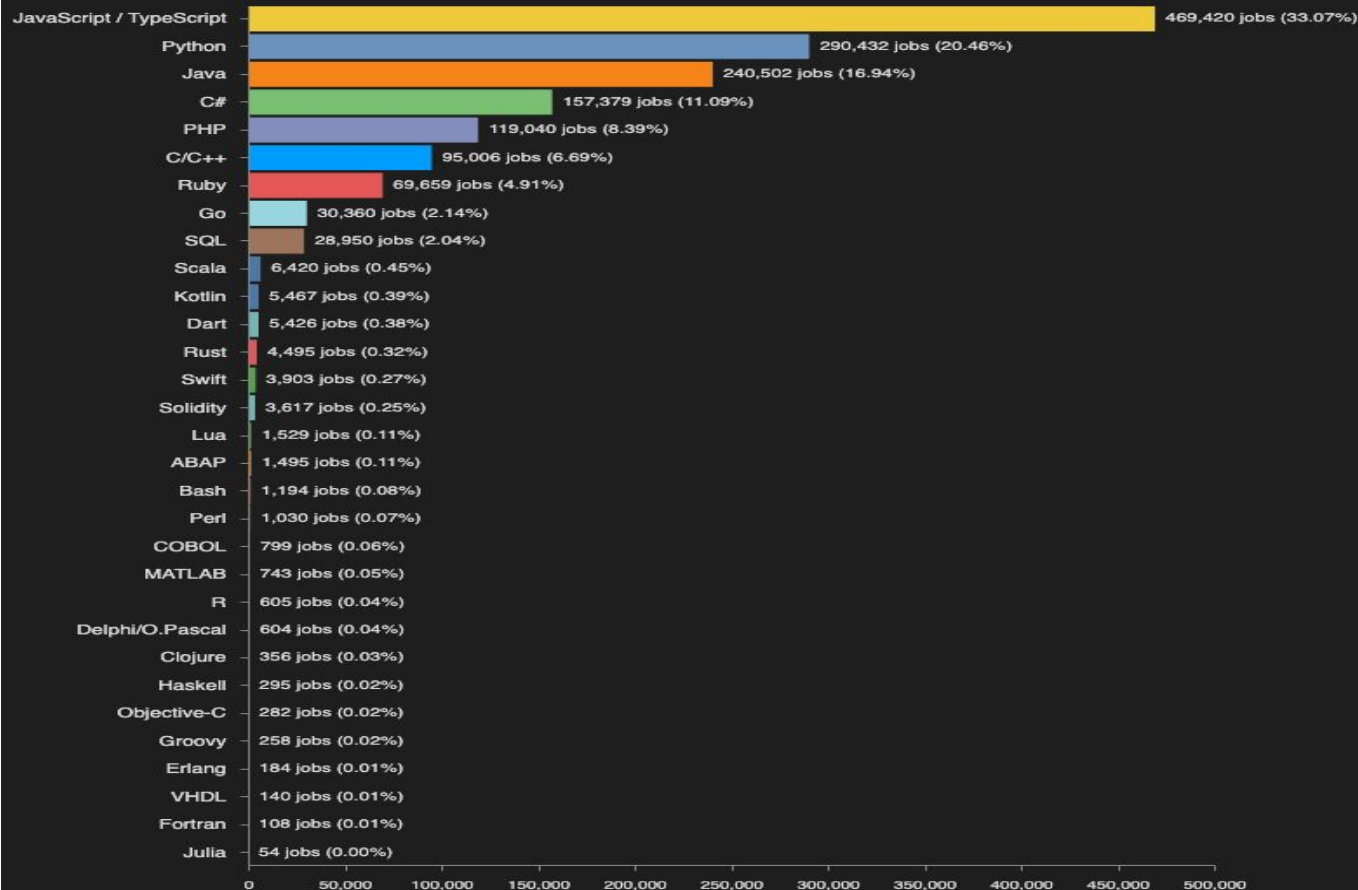
Manali Seth (922053012)
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Most Demanded Programming Languages in 2022

From 01-Oct-2021 to 31-May-2022



Number of jobs

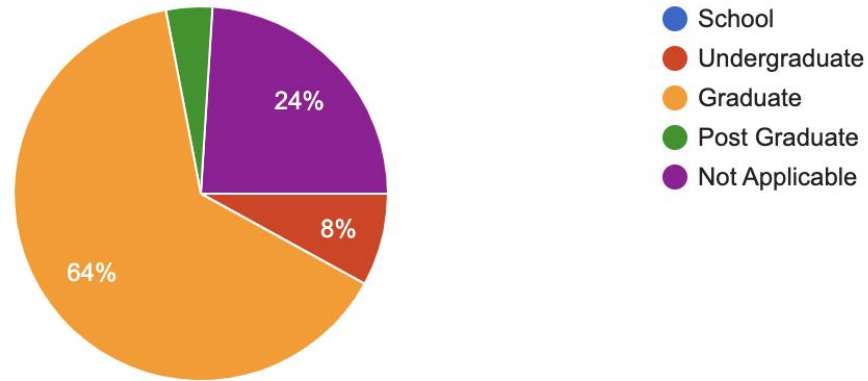
Survey Results

- Circulated google form to undergraduate, graduate and employed people.
- Approx 25 responses.

Survey Summary

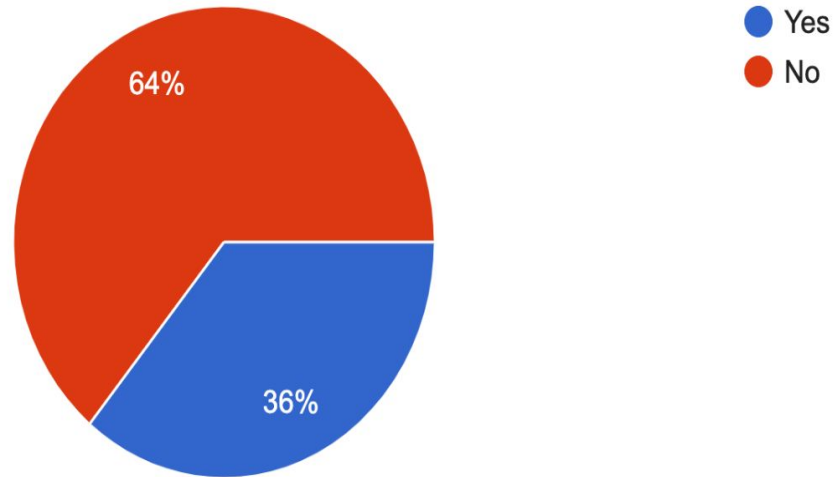
If you are a student, what level are you at?

25 responses



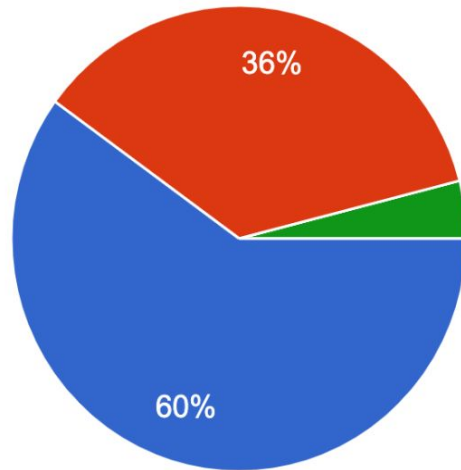
SFSU student ?

25 responses



Which of the following best describes your current employment status?

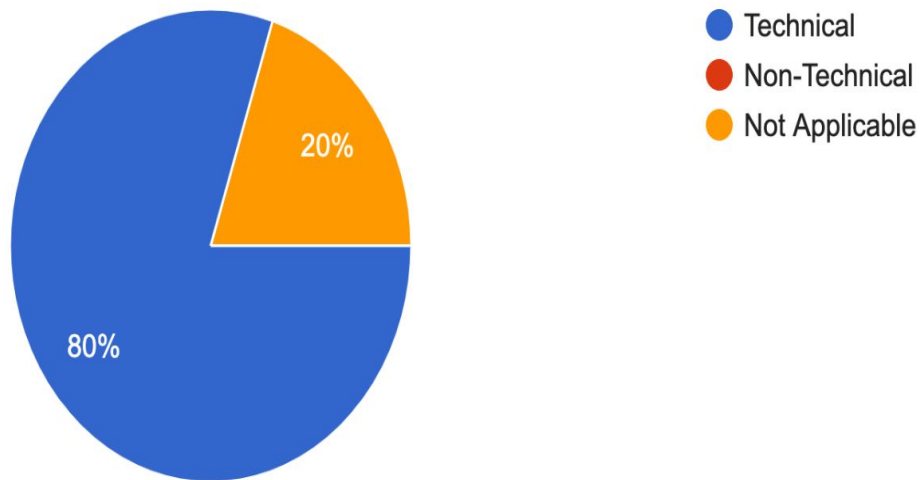
25 responses



- Student
- Employed (including Professor, Company employee, Self-employed)
- Homemaker
- Currently unemployed

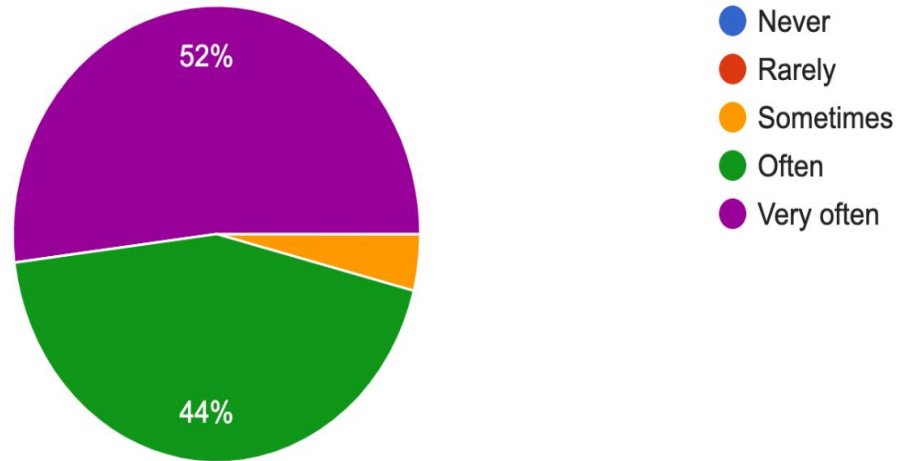
How would you describe your role in your current profession?

25 responses



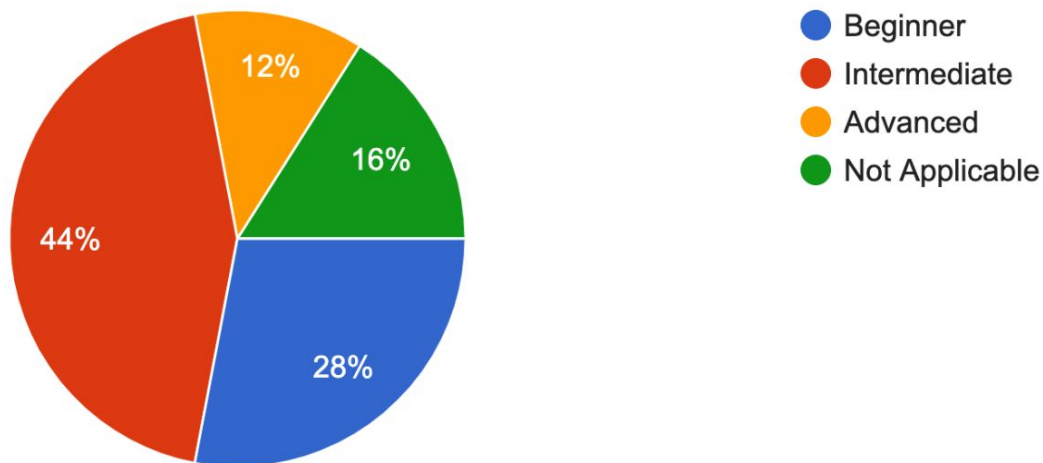
How often do (or will) you need to use any programming language?

25 responses



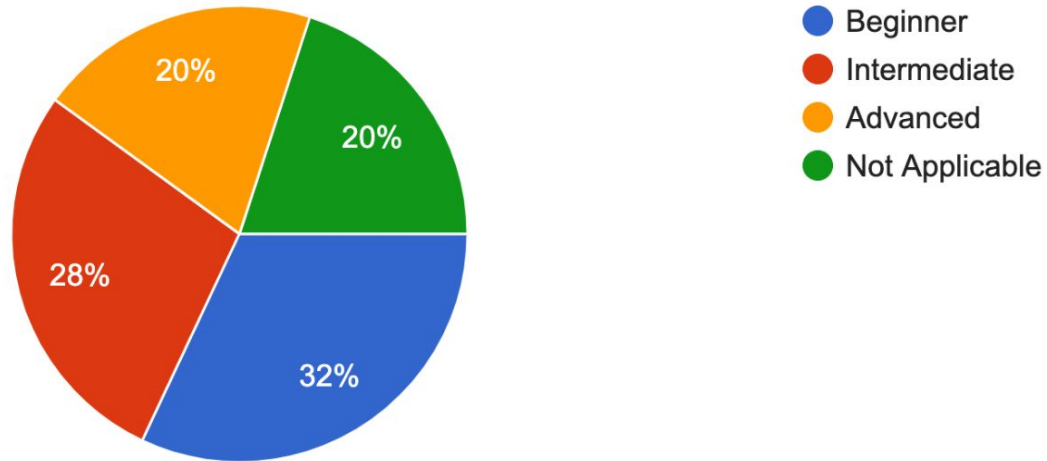
How would you rate your expertise with Python Programming language?

25 responses



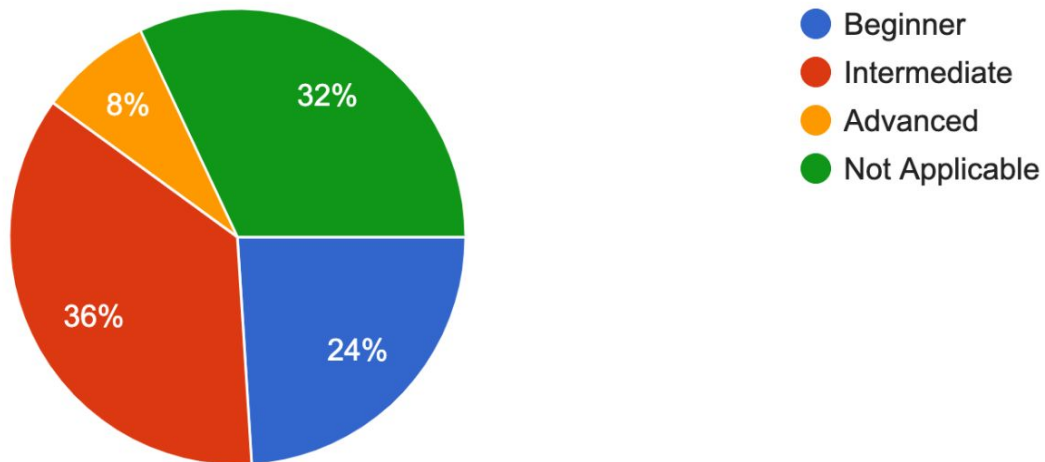
How would you rate your expertise with Java Programming language?

25 responses



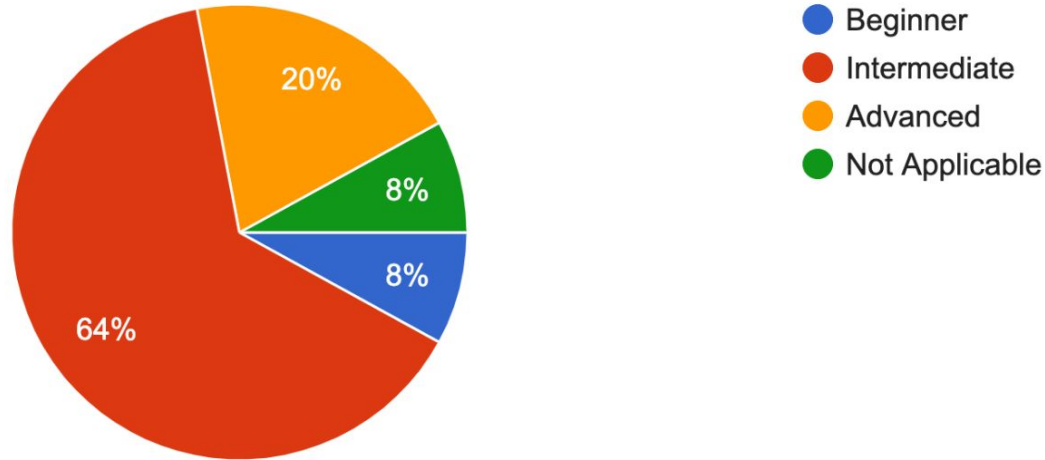
How would you rate your expertise with JavaScript Programming language?

25 responses



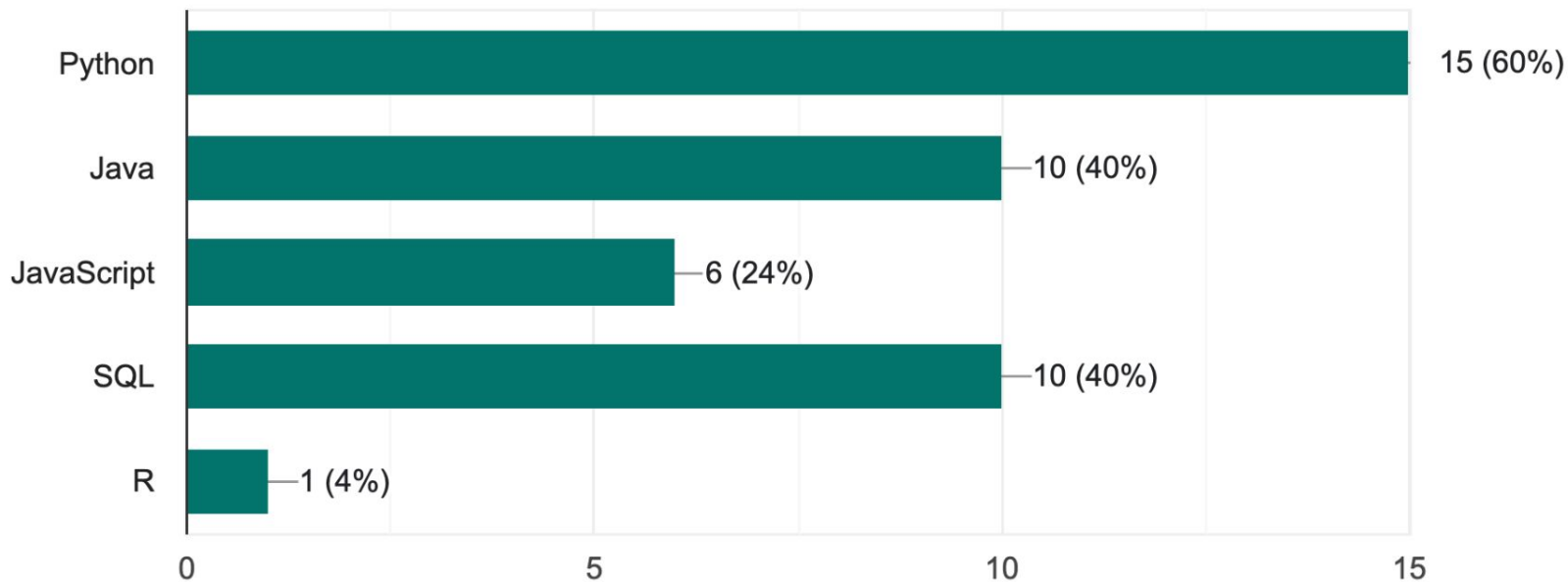
How would you rate your expertise with SQL (Structured Query Language) Programming language?

25 responses



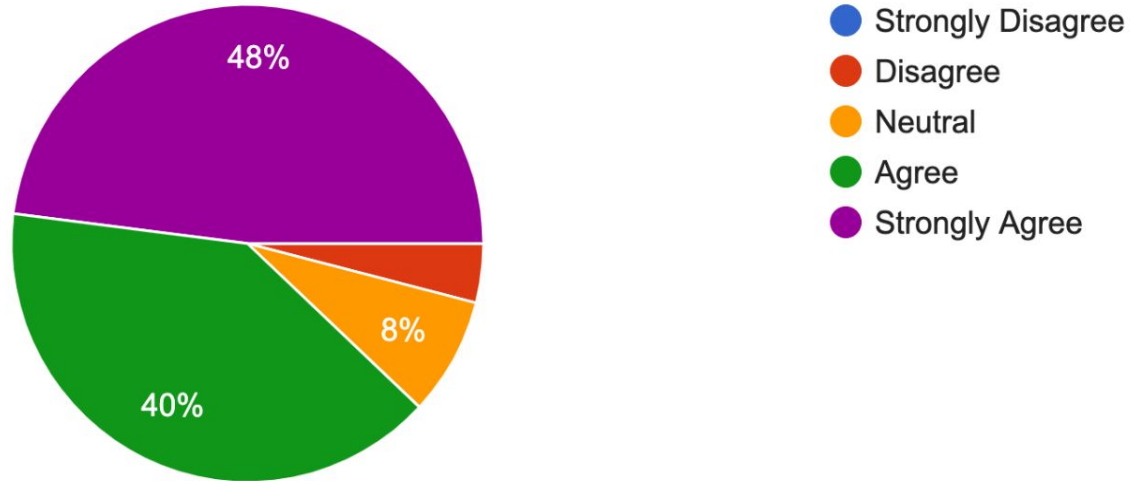
In case you have knowledge of multiple programming languages, which language's syntax do you find clear and easily understandable to work with?

25 responses



Do you think it will benefit you if there is a tool which can help you translate your code from one programming language to another?

25 responses



Question for survey

- Which of the following programming languages do you have some experience with?
- In case you have knowledge of multiple programming languages, which language's syntax do you find clear and easily understandable to work with?
- Do you think it will benefit you if there is a tool which can help you translate your code from one programming language to another?
- If you think the proposed tool benefits you in any way, can you list some of them?
- If you think the proposed tool benefits you in any way, do you suggest it to be generic (translate one programming language to another) or specific (translate Javascript to Python)

Business Model Canvas

Value propositions

What problems do you have and how do you solve them?

Beginner Friendly

New to programming world

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Novice coders

Undergraduate students

Value propositions

What problems do you have and how do you solve them?

Work with top most
demanded programming
language

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Professors

Value propositions

What problems do you have and how do you solve them?

Easier to teach students in
classes

Help students to
understand programming
code in human
understandable form

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Professors

Undergraduate students

Value propositions

What problems do you have and how do you solve them?

Save manual work of writing
entire code by yourself

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Value propositions

What problems do you have and how do you solve them?

Less time consuming

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Value propositions

What problems do you have and how do you solve them?

Save time to learn syntax of
other programming
languages

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Undergraduate students

Novice coders

Value propositions

What problems do you have and how do you solve them?

Increase productivity /
efficiency while working on
projects/ assessments

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Undergraduate students

Novice coders

Value propositions

What problems do you have and how do you solve them?

Motivate self-learning of
different programming
languages

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Value propositions

What problems do you have and how do you solve them?

Results would be accurate

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Value propositions

What problems do you have and how do you solve them?

Comparison between
different programming
languages

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Value propositions

What problems do you have and how do you solve them?

Up-to date syntax with any
programming language

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Value propositions

What problems do you have and how do you solve them?

Increase vocabulary of
useful programming
constructs

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Value propositions

What problems do you have and how do you solve them?

Easy navigation between
diferent programming
languages

Customer segments

Who needs your solution? How many people need your solution right now or will eventually need it?

Students

Employees

Lessons Learnt

- Understanding the Business Model Canvas structure
- Considering user-perspective is important while developing an application
- Figured out features and improvements in the tool after doing a survey
- Concluded that generic tool will be more useful compared to specific

Questions /
Suggestions