

Get cupcake: Create your own text adventure in python

meccanica feminale 2023

Day 1 Tuesday 21.2

Get to know the group

Fachlandkarte / Learning Objectives

- ▶ text adventures/game jam/fun
- ▶ intro to/brush up on python
- ▶ intro to git/basics of version controlling
- ▶ intro to software projects best practices

If you want to have the 1 credit point

- ▶ Write a report about your project including:
 - ▶ your project map
 - ▶ how did you implement key parts of it: What concepts did you learn and where did you apply them (give code examples)
 - ▶ what feedback did you get and what did you do with it
 - ▶ what else would you like to improve/expand if you had the time

What are text adventures

Quotes:

“Interactive fiction”

“It’s like playing a book”

“The ultimate adventure game cliche is a maze”

Info: In the dining room, you can take orders, chat with your guests, and look up information (e.g., about your guests or your progress in the game). Type "help" to see all available commands.

Tutorial: This short tutorial is going to guide through the first couple of steps. First, try to take an order. The command is "take order from [NAME]". Use auto-complete: type "take" and press TAB, then type the first letters of a customer's name and press TAB again.

diner > []

AT END OF ROAD SCORE: 36 MOVES: 10

> look at forest

The trees of the forest are large hardwood oak and maple, with an occasional grove of pine or spruce. There is quite a bit of undergrowth, largely birch and ash saplings plus nondescript bushes of various sorts. This time of year visibility is quite restricted by all the leaves, but travel is quite easy if you detour around the spruce and berry bushes.

> pick berries

I didn't understand that sentence.

Best of House
West of House
You are standing in an open field west of a white house, with a boarded front door.
There is a small mailbox here.

>look at the mailbox
The small mailbox is closed.

>open mailbox
Opening the small mailbox reveals a leaflet.

>pick leaflet
You can't pick that.

>read leaflet
(Taken)
"WELCOME TO ZORK!"

ZORK is a game of adventure, danger, and low cunning. In it you will explore some of the most amazing territory ever seen by mortals. No computer should be without one!"

Figure 1: images/collage.png

Ideas/Directions for your project:

- ▶ more verbose vs more exploration
- ▶ ideas/directions to think in: escape game/room; favourite book/movie for story ideas; pen and paper; something you know a lot about

Python Basics

1st room code example

Python Basics

Hands on

intrepreter/running your script

in the shell:

\$ python <scriptname>

in vscode: play button

interactive intrepreter for testing stuff:

\$ ipython

Coding Best Practices

Zen of python

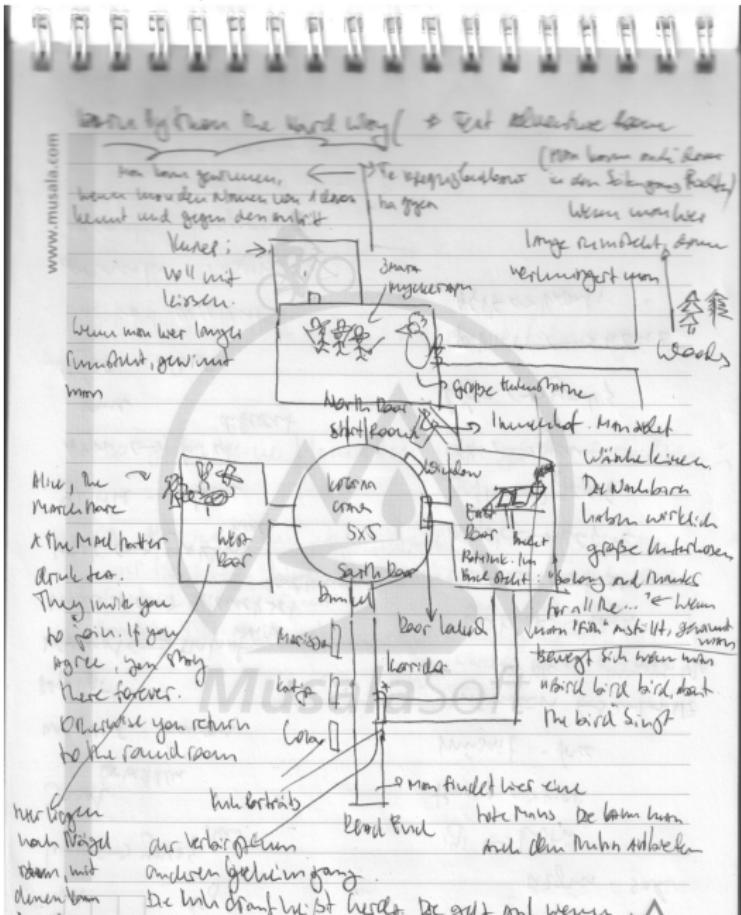
<https://peps.python.org/pep-0020/>

Getting help

- ▶ Basics lookup: <https://www.pythontcheatsheet.org/cheatsheet>
- ▶ All the docs: <https://docs.python.org/3.10/reference>
- ▶ Style guide:
<https://peps.python.org/pep-0008/#naming-conventions>
- ▶ General help: <https://stackoverflow.com>
- ▶ Python concepts explained: <https://realpython.com>

Map your game

<https://excalidraw.com/>



Teams for Peer Reviews for Day 2

1st steps in git

setup github

- ▶ create repo
- ▶ create personal access token (or add ssh key)

git/version control systems explained

git cheatsheet: setting up a new repository

```
$ git init .
$ git add remote origin ...
```

git cheatsheet: create and use new branch

```
$ git branch develop  
$ git checkout develop
```

git cheatsheet: commit your work to git

```
$ git add <file-name>
$ git commit -m "commit message"
$ git push [origin develop]
```