



Sacha Peter

More or less TDD and a lot of Refactoring
with my first Anno 1800 playthrough

What is Anno?

Anno 1602 (1998)

Anno 1503 (2002)

Anno 1701 (2006)

Anno 1404 (2009)

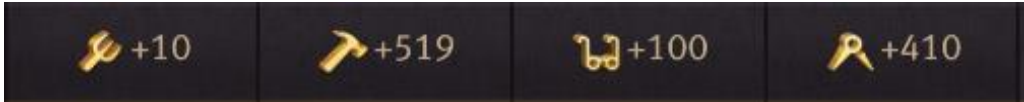
Anno 2070 (2011)

Anno 2202 (2015)

Anno 1800 (2019)



Tests



Getting started



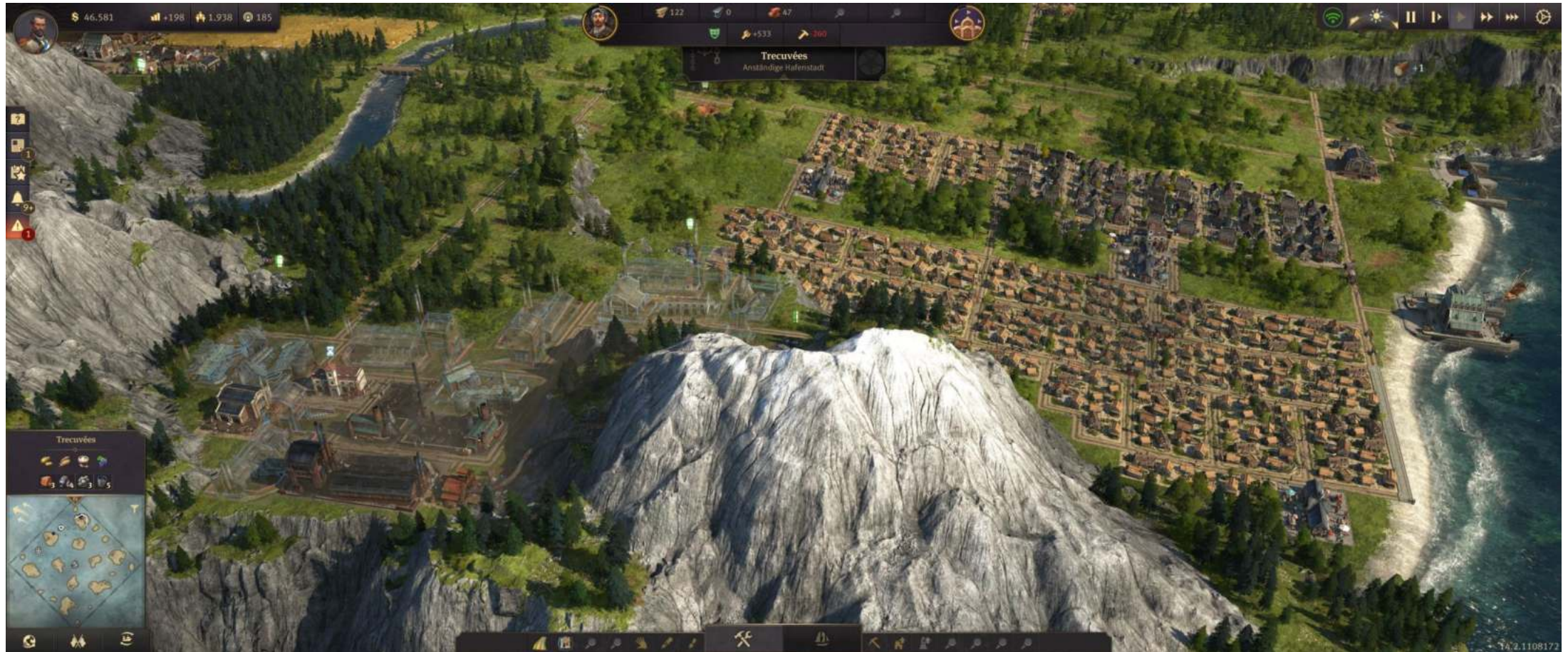
Getting started



Getting started




Adding features



Adding features



Refactoring

	Zufriedene Bevölkerung	
Durchschnittliche Zufriedenheit der Bewohner dieser Insel.		
	Bauern	+31
	Arbeiter	+15
	Inseldurchschnitt	+23
Zufriedene Einwohner können Feste in der Stadt veranstalten.		

	Bier	
	Luxusbedürfnis	
Versorgung		
	Keine	0%
Versorgungseffekte		
	Zufriedenheit	-3/+3
	Münzen	0/+13
Klicken, um Verbrauch zu verbieten		

Refactoring



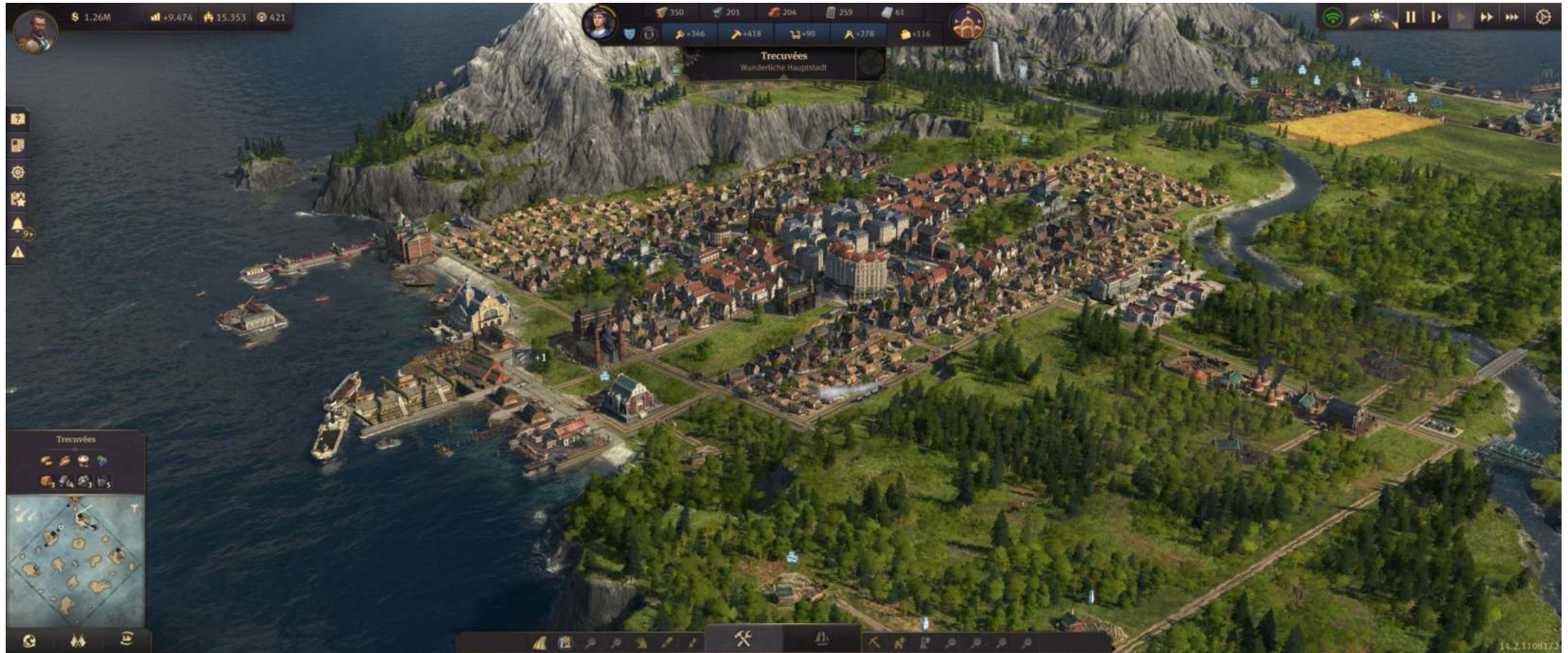
Refactoring



Refactoring

 Zufriedene Bevölkerung		
Durchschnittliche Zufriedenheit der Bewohner dieser Insel.		
	Bauern	+29
	Arbeiter	+40
	Inseldurchschnitt	+33
Zufriedene Einwohner können Feste in der Stadt veranstalten.		

A few hours later











A few hours later



Introducing a new tests



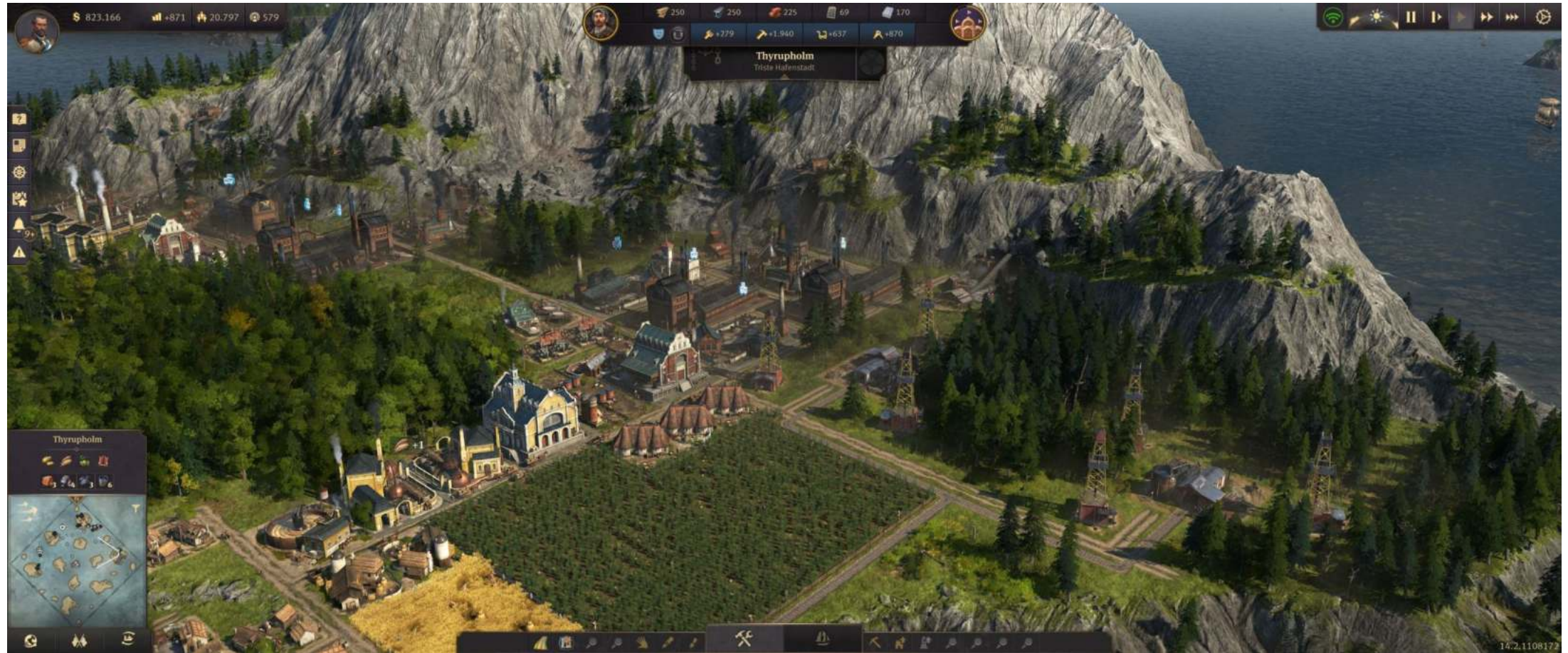
Introducing a new tests

Unansehnliche Gebäude und solche, die Gestank oder Lärm verursachen.		
	Metzgerei	-30 
	Schweinezucht	-12 
	Wasenmeisterei	-10 
	Siederei	-5 

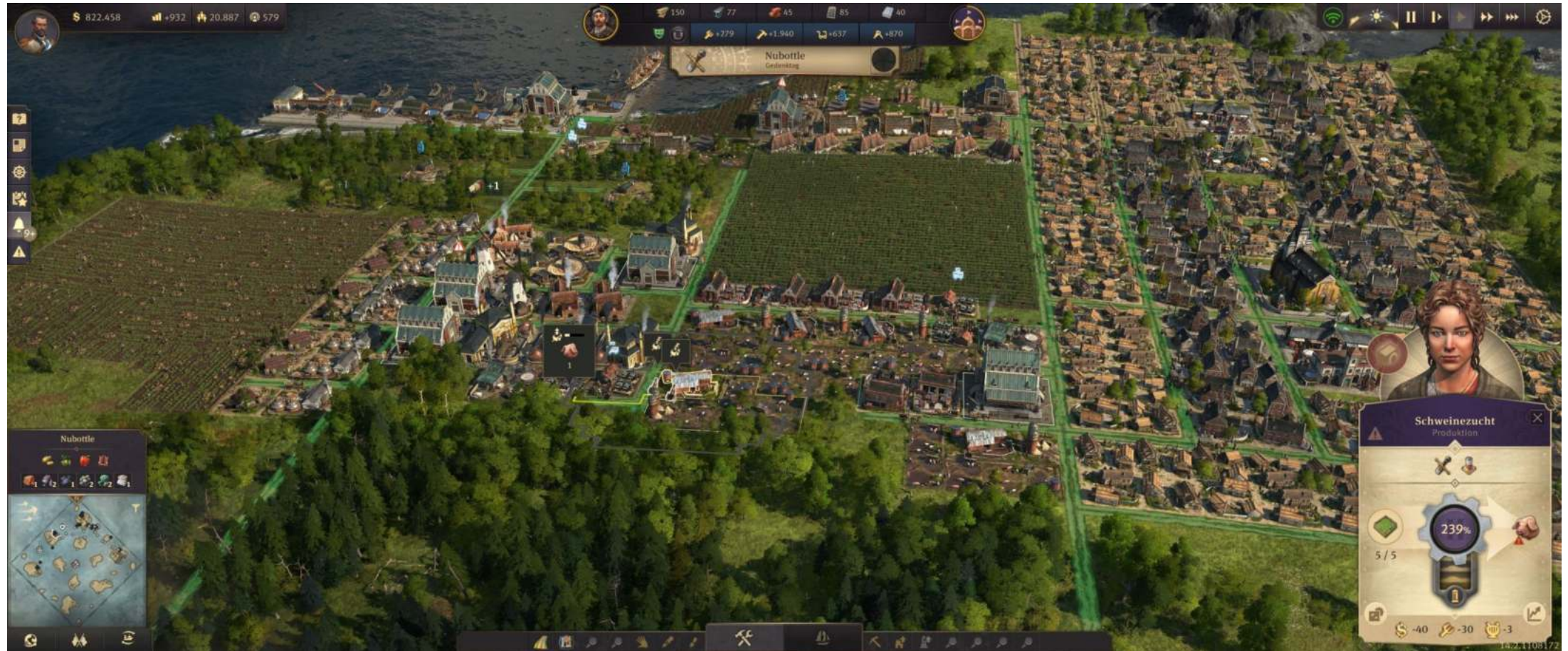
Verschmutzung durch Schwerindustrie.		
	Stahlwerk	-30 
	Ölraffinerie	-20 
	Hochofen	-20 
	Köhlerei	-10 
	Motorenfabrik	-10 

Kulturelle Sammlungen und monumentale sowie ornamentale Architektur.		
	Ornamente	5 
	Speicherstadt	150 

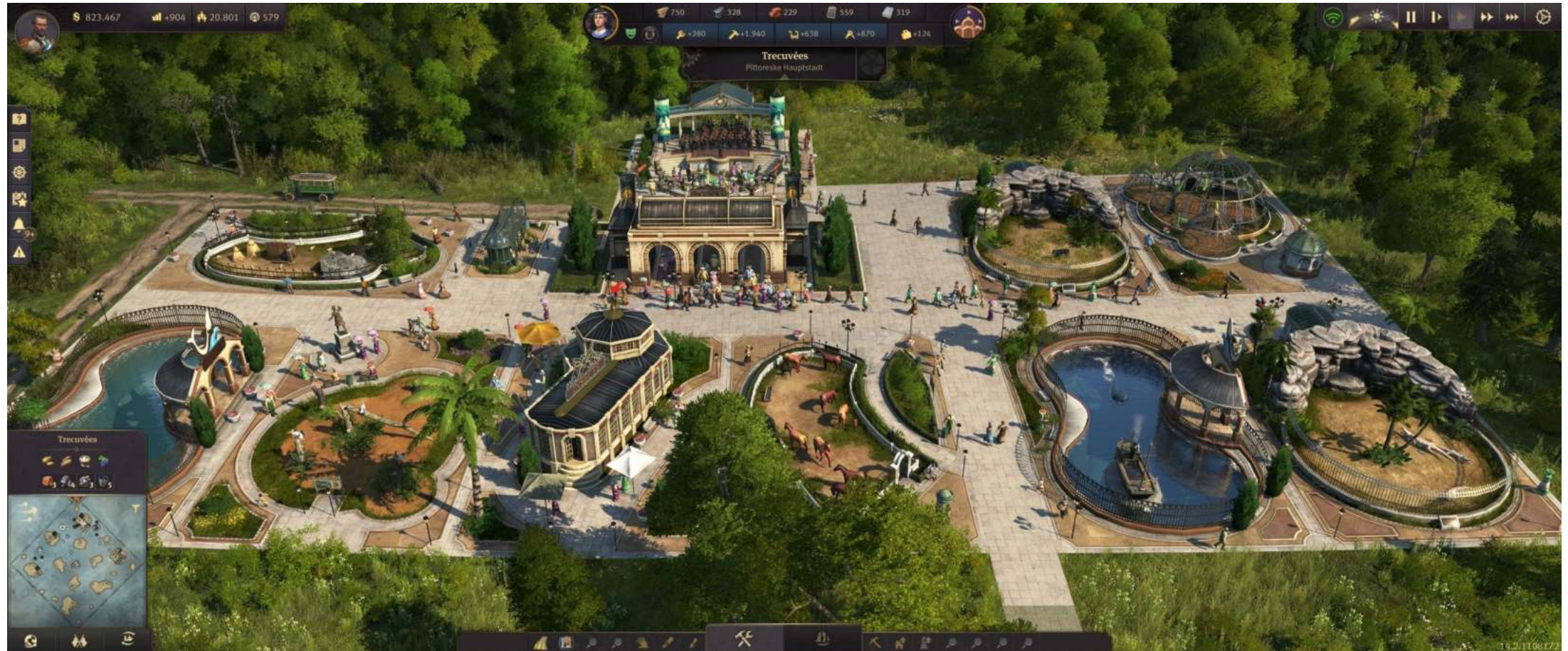
Refactoring



Refactoring



Refactoring



Refactoring



Refactoring



Refactoring



Conclusion

- TDD and Refactoring are present in many parts of our live





THANK YOU

GRACIAS
ARIGATO
SHUKURIA

DANKSCHEEN
JUSPAXAR

TASHAKKUR ATU
GOZAIMASHITA
EFCHARISTO

YAQHANYELAY
MEHRBANI
MAAKE
GRAZIE
KOMAPSUMNIDA

SUKSAMA
EKHMET
PALDIES

BIYAN
SHUKRIA
BOLZİN
MERCI

TINGKI

SPASSIBO
NUHUN
SNACHALIRIYA
CHALTU
WAREEJA
MAYEKA
YUSPACARATAM
HUI
ATTO
ANINA
SHANYADAD
SPASIBO
DENKAUJA
NENACHALIRIYA
UNALCHEESH
HATUR
GUL
IKOUJ
SIKOMO
MAKETAI
NINMONCHAR

Keep in touch

- [linkedin.com/in/sacha-peter/](https://www.linkedin.com/in/sacha-peter/)
- sacha.peter@css.ch
- github.com/sape1



References

- [https://en.wikipedia.org/wiki/Anno \(video game series\)](https://en.wikipedia.org/wiki/Anno_(video_game_series))
- [https://anno1800.fandom.com/wiki/Anno 1800 Wiki](https://anno1800.fandom.com/wiki/Anno_1800_Wiki)