

R SHINY PROJECT

Conception of a web app to facilitate management of CNU's promotion system.

YANNIS, GARANCE, KHOI & RASSEM

TUTOR : JEAN-FRANÇOIS COEURJOLLY

CONTENTS

- 1 PRESENTATION OF THE PROJECT**
- 2 GOALS & IMPACTS**
- 3 OUR ORGANIZATION**
- 4 PRIORITIES**
- 5 WHERE ARE WE CURRENTLY**
- 6 FUTURE PLAN**

PRESENTATION OF THE PROJECT

The CNU : Conseil national des universités

- Each section is divided in two colleges : one for lecturers and one for university professors
- National instance that manages :
 - qualification
 - recruitment
 - carrers

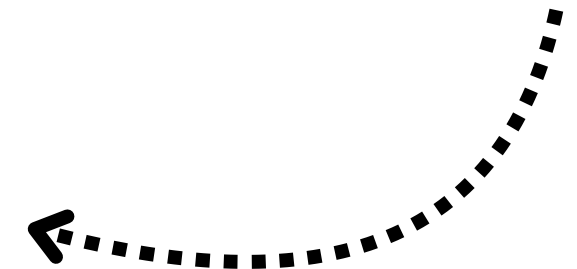
One of their mission : the promotion

- Application submission from lecturers and professors
- Review by two reviewers (rapporteurs)
 - Notice : reserved, favourable or very favourable.
 - Modalities : 7 criteria.

PRESENTATION OF THE PROJECT

B	C	D	E	F	G	H	I	J	K	L	M
Numen	Civilité	Nom d'usage	Prénom	Grade	Libellé établissement	Rapporteur 1	Avis global...9	M1 (Ens)...10	M2 (Rech)...11	M3 (OIP)...12	M4 (Diff)...
09S9602574NOO	Mme	NOMduCANDID	PRENOMduCAN	PR 1C	CY CERGY PARIS UNIVERSITE	NOMduRAPPORTEUR18					
05S9502843QRT	M.	NOMduCANDID	PRENOMduCAN	PR 2C	UNIVERSITE LYON 2 (LUMIERE)	NOMduRAPPORTEUR10					
01S9400602OPF	M.	NOMduCANDID	PRENOMduCAN	PR EX2	UNIVERSITE D'ORLEANS	NOMduRAPPORTEUR17					
22S9702246YBJ	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE DE LIMOGES	NOMduRAPPORTEUR21					
04S9348405MUZ	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE DE BORDEAUX	NOMduRAPPORTEUR7					
09S9330653LTE	M.	NOMduCANDID	PRENOMduCAN	PR 2C	UNIVERSITE DE LILLE	NOMduRAPPORTEUR12					
04E9840517UQD	M.	NOMduCANDID	PRENOMduCAN	PR 2C	UNIVERSITE DE ROUEN	NOMduRAPPORTEUR4					
01S9348033RCQ	Mme	NOMduCANDID	PRENOMduCAN	PR EX1	TSE	NOMduRAPPORTEUR19					
02S9800896QII	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE PARIS EST CRETEIL (PARIS 12	NOMduRAPPORTEUR11					
16S0525407YSP	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE COTE D'AZUR	NOMduRAPPORTEUR16					
22S9334867MLC	M.	NOMduCANDID	PRENOMduCAN	PR EX2	UNIVERSITE DE LIMOGES	NOMduRAPPORTEUR21					
29E0043997VQB	M.	NOMduCANDID	PRENOMduCAN	PR 1C	UNIVERSITE D'ORLEANS	NOMduRAPPORTEUR17					
29E0454663PGC	Mme	NOMduCANDID	PRENOMduCAN	PR 1C	ECOLE NORMALE SUPERIEURE DE RENNES	NOMduRAPPORTEUR15					
04S0424238WZV	Mme	NOMduCANDID	PRENOMduCAN	PR 2C	INP DE BORDEAUX	NOMduRAPPORTEUR7					
12S9602932CFM	M.	NOMduCANDID	PRENOMduCAN	PR 1C	UNIVERSITE DE MULHOUSE	NOMduRAPPORTEUR13					
24S9400359SVE	M.	NOMduCANDID	PRENOMduCAN	PR 2C	UNIVERSITE DE ROUEN	NOMduRAPPORTEUR4					
21S9334239JMV	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE PARIS 13	NOMduRAPPORTEUR9					
25S9335370NQD	M.	NOMduCANDID	PRENOMduCAN	PR EX2	UNIVERSITE DE BORDEAUX	NOMduRAPPORTEUR7					
23S0112921WZM	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE D'ORLEANS	NOMduRAPPORTEUR17					
21S9334714MPC	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE DU HAVRE	NOMduRAPPORTEUR4					
25S9904853LOB	M.	NOMduCANDID	PRENOMduCAN	PR EX1	UNIVERSITE PARIS 10 (NANTERRE)	NOMduRAPPORTEUR17					

Currently, everyone is working on the same Excel sheet...



It's not ideal :

- Not very practical.
- Risk of leak of sensitive data.
- Risk of typing errors. (ex : wrong line)

We are going to build a tool to replace it!

GOALS, IMPACTS & RESTRICTIONS

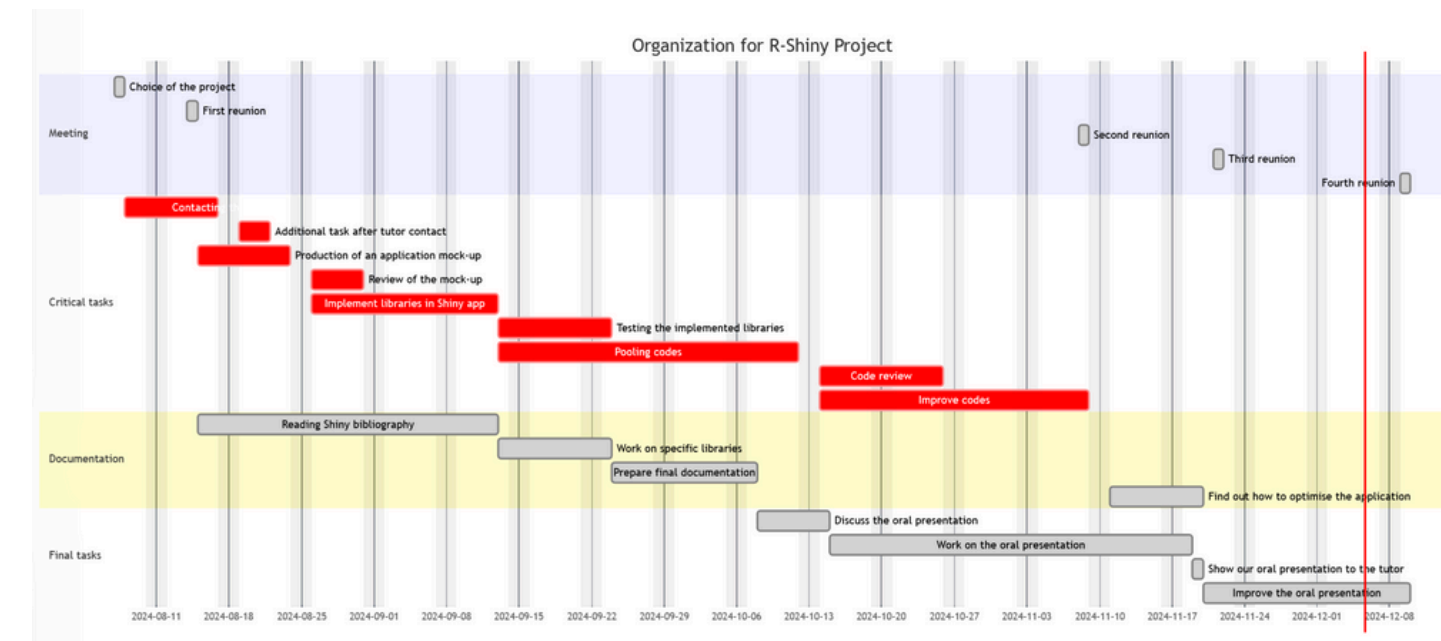
- **Build an application**
→ No more Excel sheet, simplified user experience.
- **Separate the review of each application**
→ Prevent the problem of writing on the wrong line.
- **Restrain the access to the app**
→ Prevent data leakage.
- **Build a tool to produce statistics on the review**
→ Help to detect biases (geographical, gendered,...)

Restrictions :

- Time
- Anonymized file
- R-Shiny

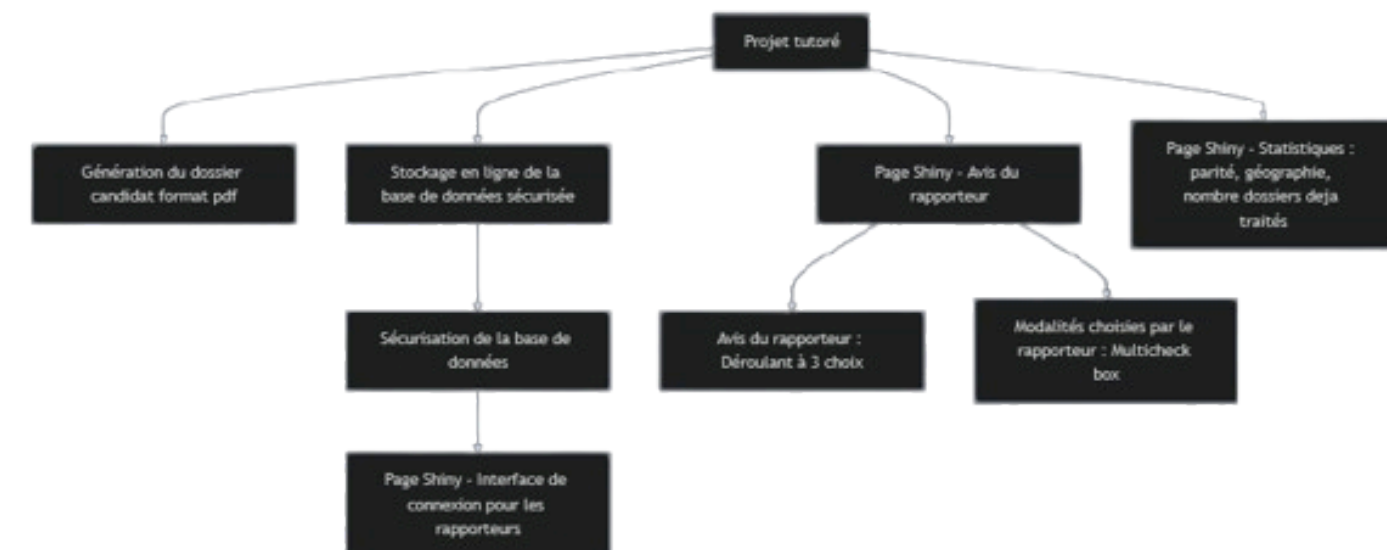
OUR ORGANIZATION

Plannification Gantt diagram



Work distribution

Separation of the tasks that can be done independently.



Github

One main branch and 3 forks.

OUR ORGANIZATION

R packages used

Shiny

short description

Bsblib

short description

Markdown

short description

Shinyjs

short description

Digest

short description

Name 2

short description

Name 3

short description

Name 4

short description

PRIORITIES

Essential features

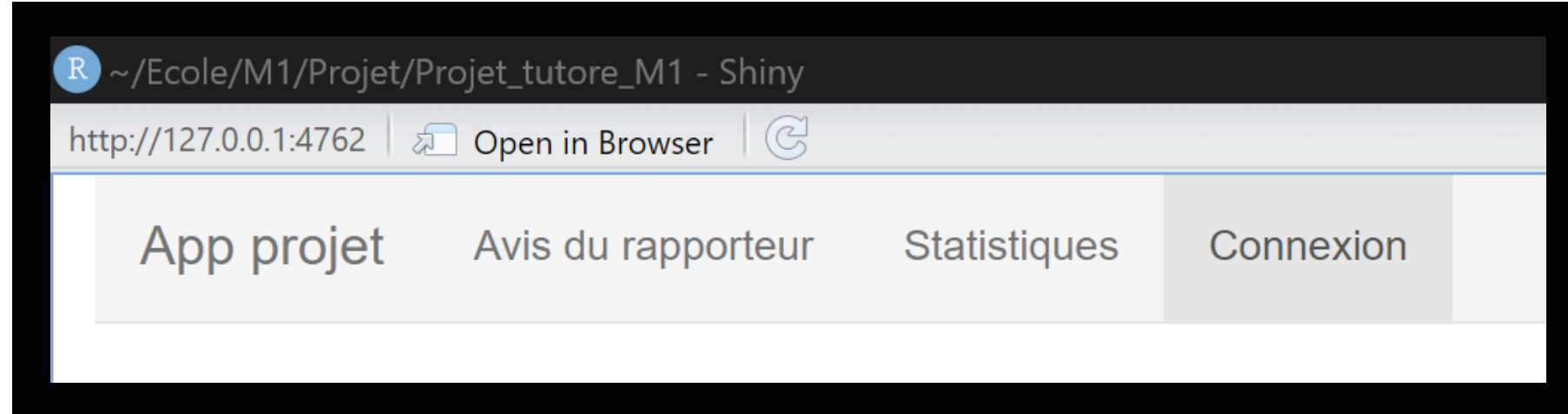
- Build a mock-up for the application.
- Reading and writing data through the application.
- Securization of the access to the platform.

Important features

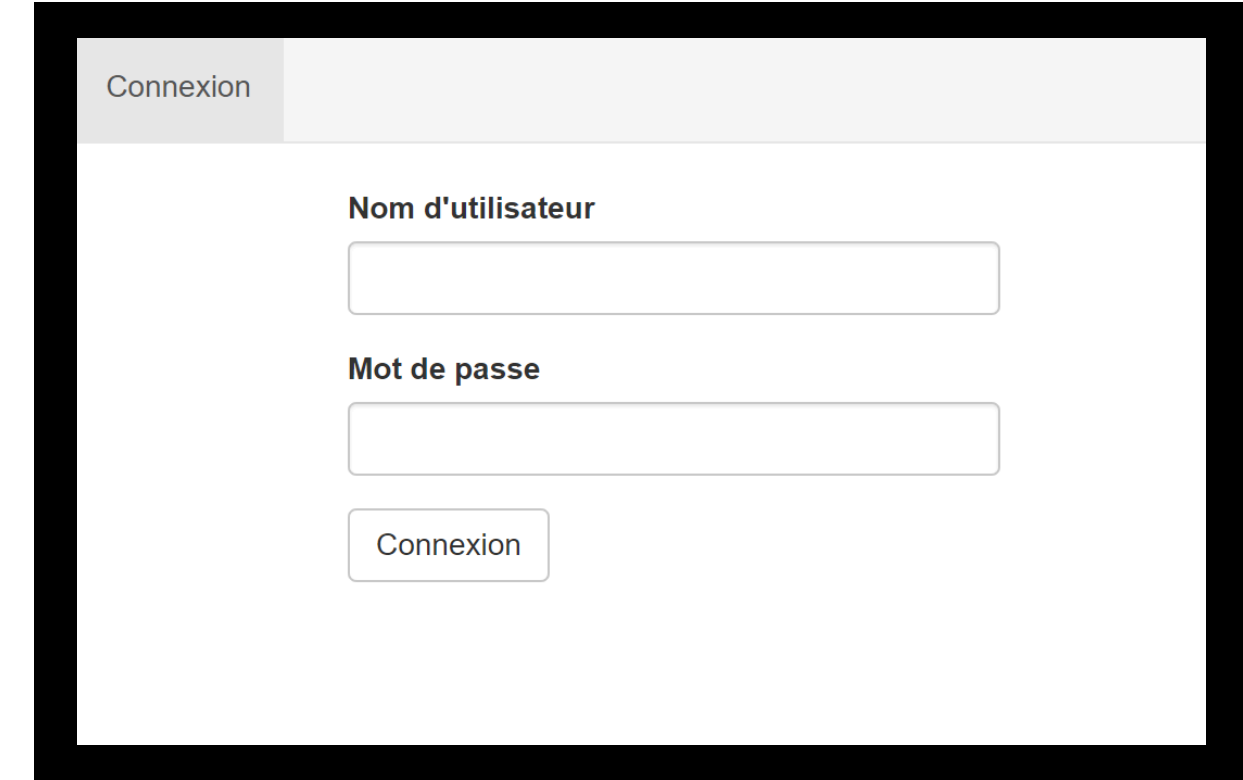
- Statistics
- Aesthetics

WHERE WE ARE CURRENTLY

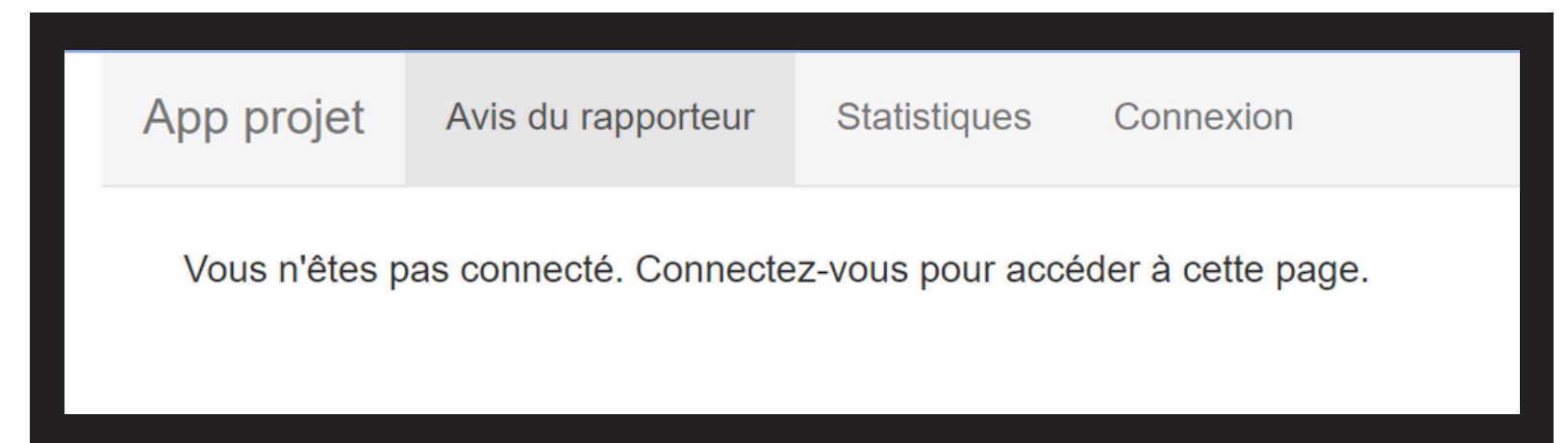
Mock-up of the application



Connexion page



A mock-up of the "Connexion" page. It features a header bar with the word "Connexion" on the left. Below the header, there are two input fields: "Nom d'utilisateur" and "Mot de passe". Below these fields is a button labeled "Connexion".



WHERE WE ARE CURRENTLY

Geographical statistics



Review page

App projet

Avis du rapporteur

Statistiques

Connexion

Menu

Sauvegarder

J'ai terminé

Avis

Modalités d'attribution

☐ M1 (Ens)

☐ M2 (Rech)

☐ M3 (OIP)

☐ M4 (Diff)

☐ M5 (Eur)

☐ M6 (Coop)

☐ M7 (Invest)

Déposer un pré-rapport (PDF)

Télécharger le dossier du/de la candidat.e (PDF)

PDF ou texte comprenant les informations de la candidature

WHERE WE ARE CURRENTLY

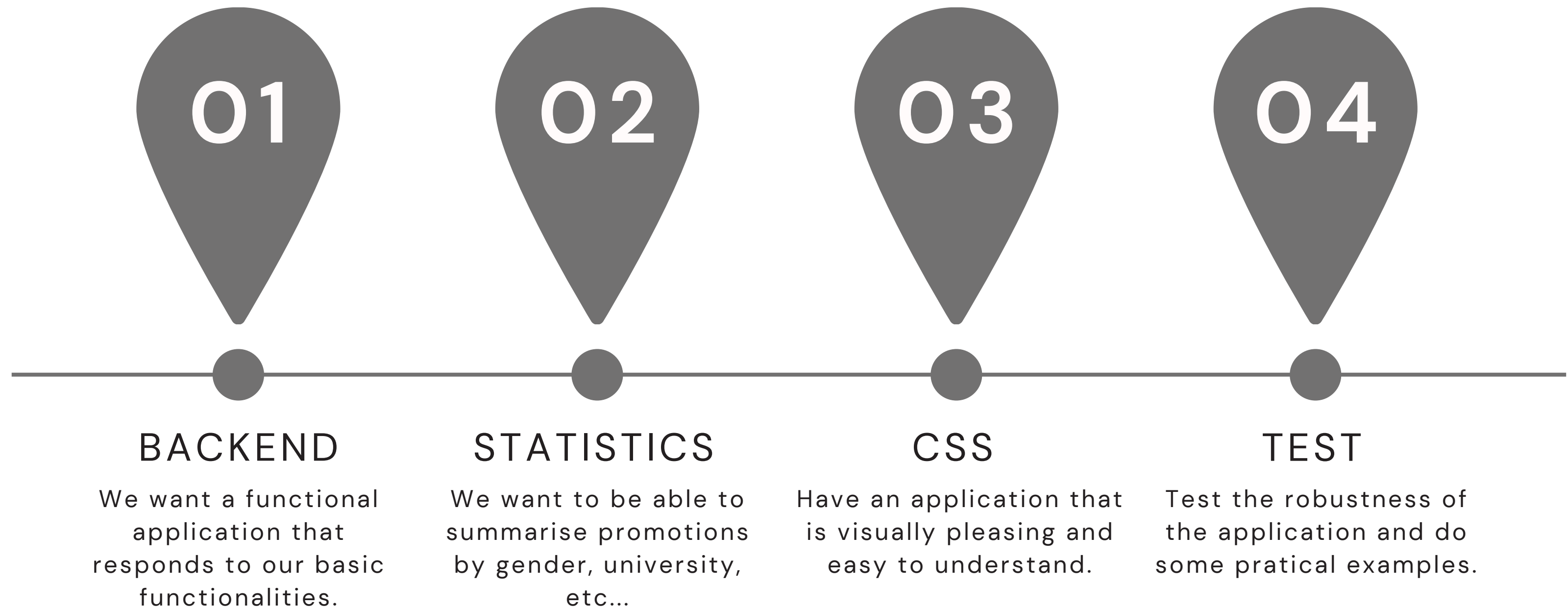
What we are working on

- Interface buttons and data file
- Statistics
- Aesthetic

Difficulty

- Paralellization of the work

FUTURE PLAN



SCENARIOS

Realistic scenario

We achieve every goal we stated : fully working and secure application, gender and geographical statistics.

Best case scenario

We achieve every goal and we also come up with new ideas and new features that we implement.

CONCLUSION

Thanks for listening !