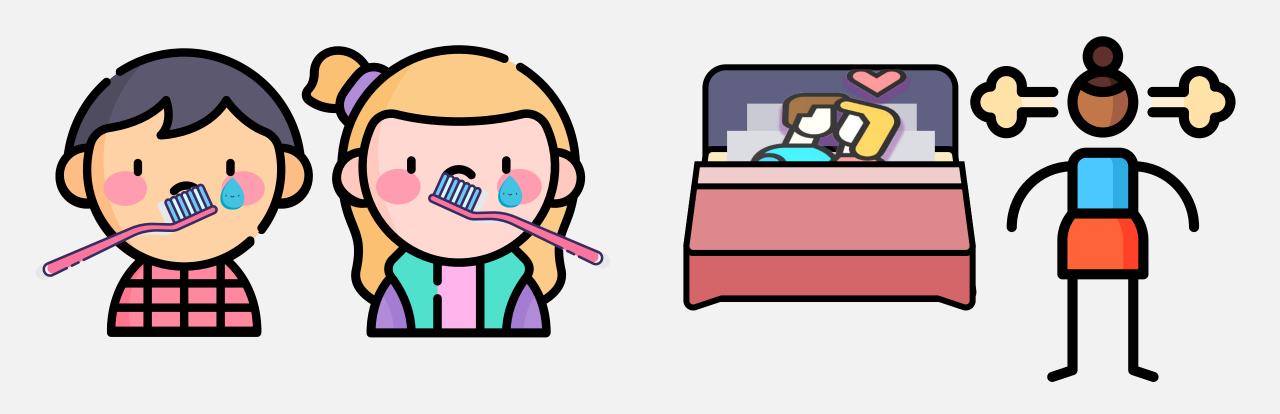


Imaginons...

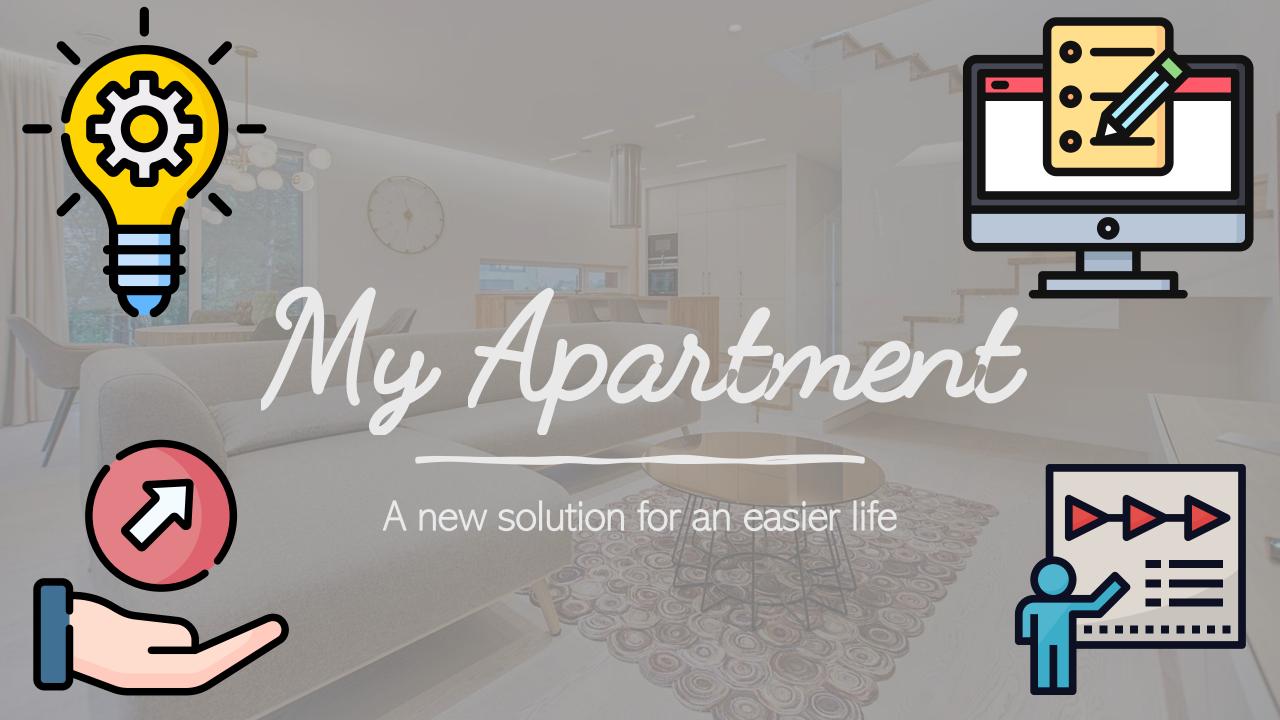


Imaginons...



Whoa! Ces développeurs sont géniaux!



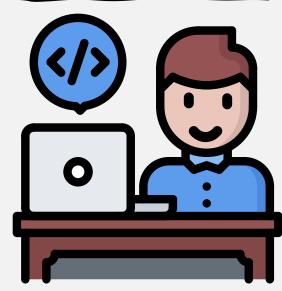


Le Concept (2)?

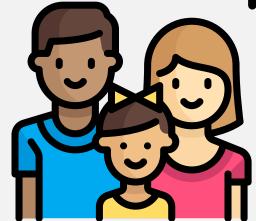




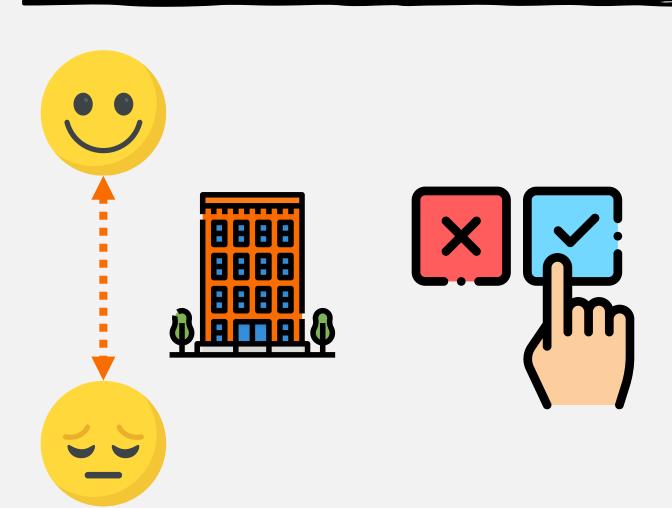


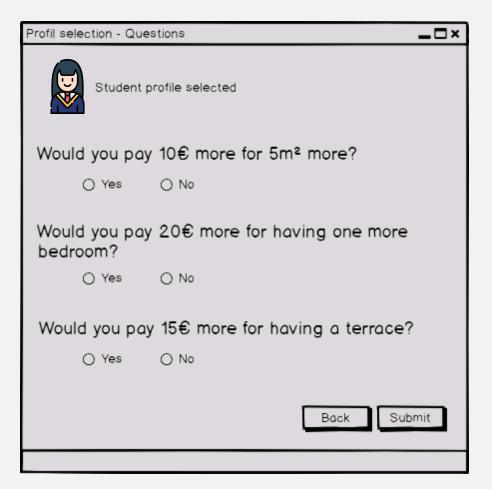






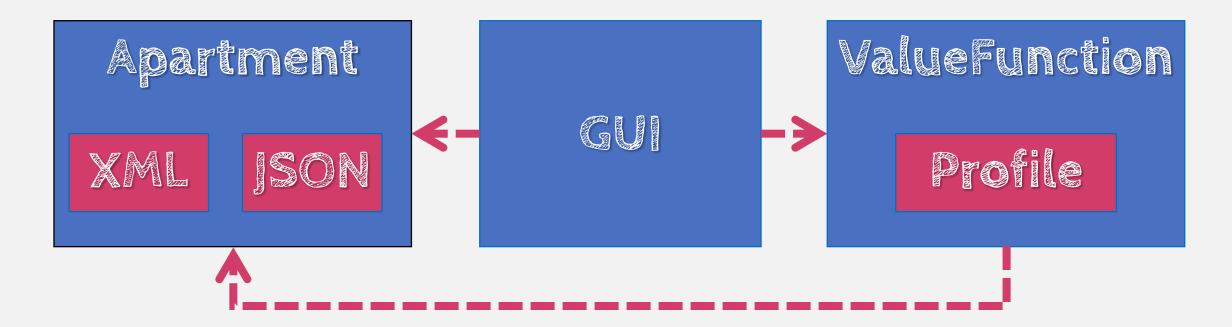
Le Concept





Architecture du code

Principaux packages





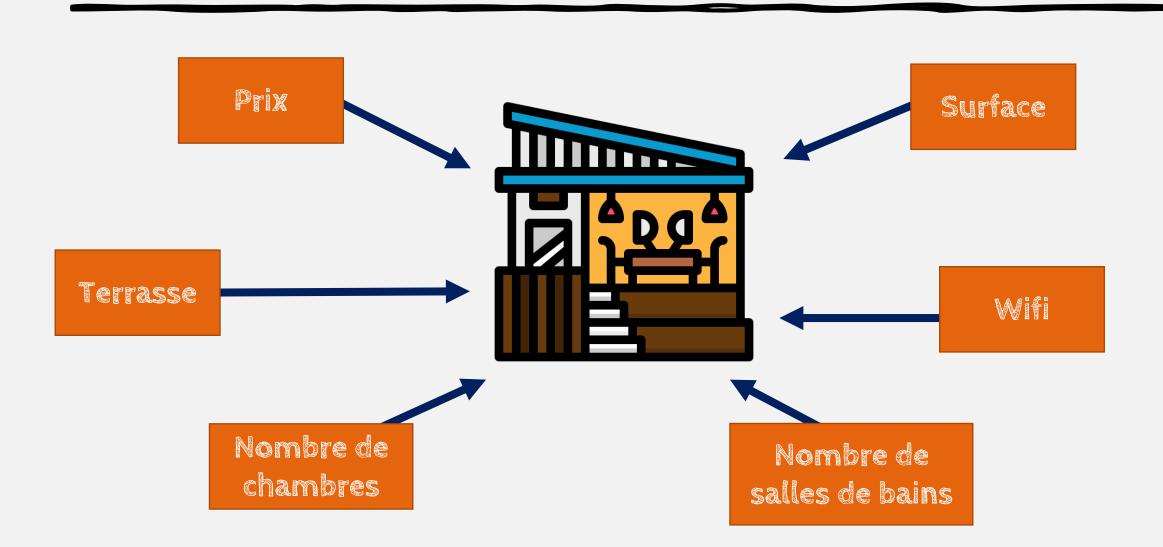


Liste d'appartements intégrée à l'application



Appartements triés grâce à une fonction de valeur









Je veux une surface entre 16 et 60 mètres carré.







15 mètres carré

Valeur subjective de 0 car

15 < 16

Valeur subjective de 1 car

65 > 60

22 mètres carré

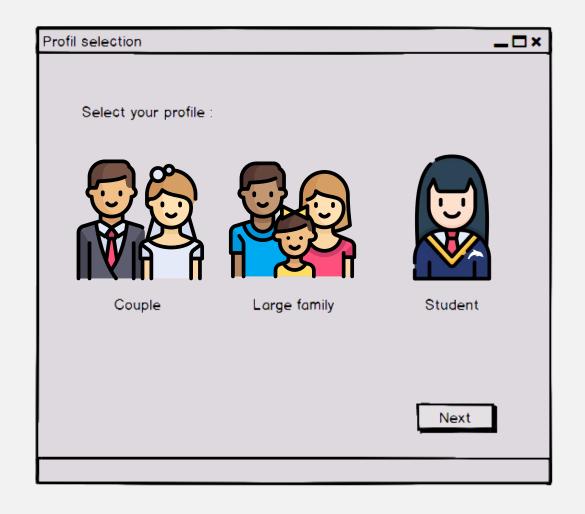
65 mètres carré

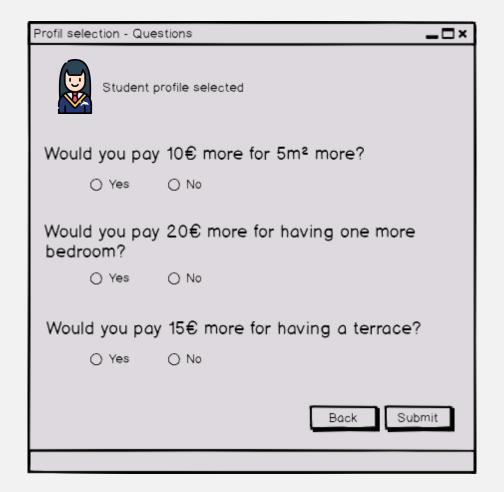
Valeur subjective de

22/(60-16) = 0.5



Les Profils





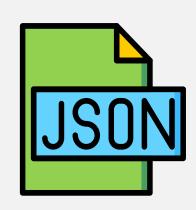


Import et export d'information

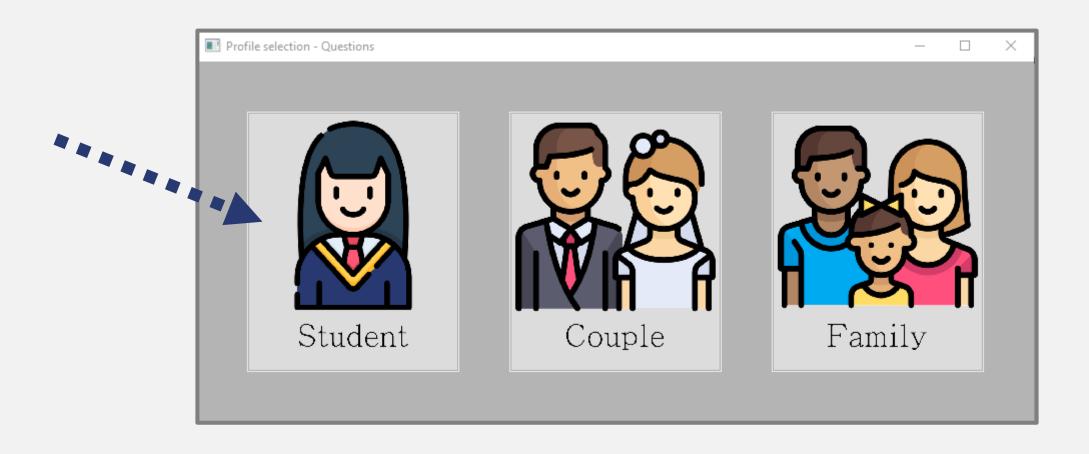


Objet immuable Apartment factory Génération d'adresse aléatoire

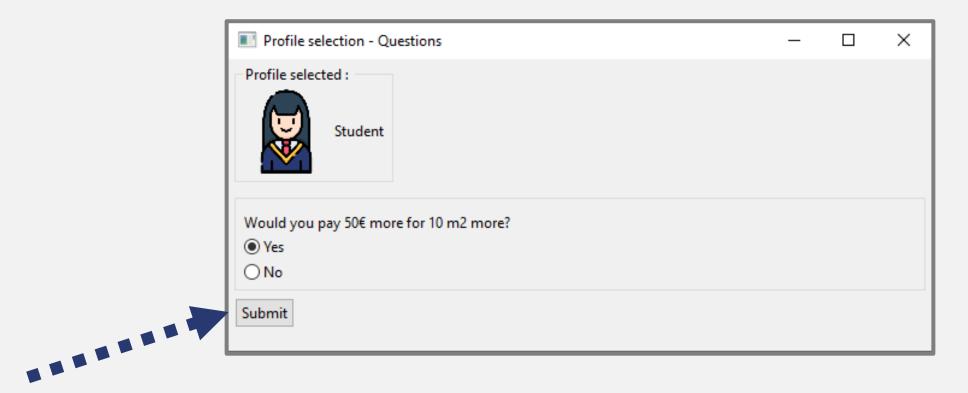
Convertir Apartment en JSON Stocker une liste d'Apartment



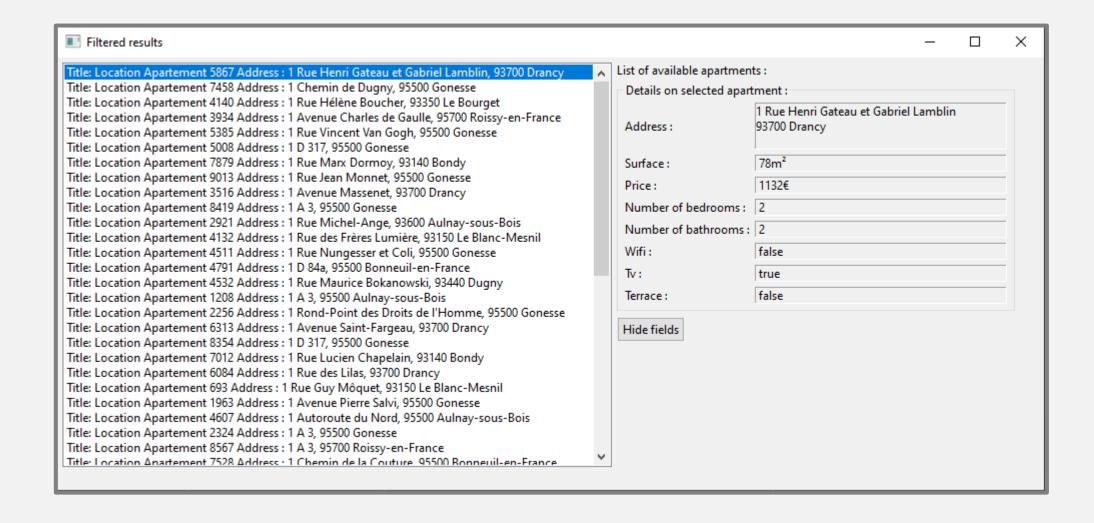
Démonstration



Démonstration



Démonstration





Github Actions

Java CI with Maven / build (ubuntu-latest) (pull_request) Successful in 29s

Java Cl with Maven / build (ubuntu-latest) (push) Successful in 27s



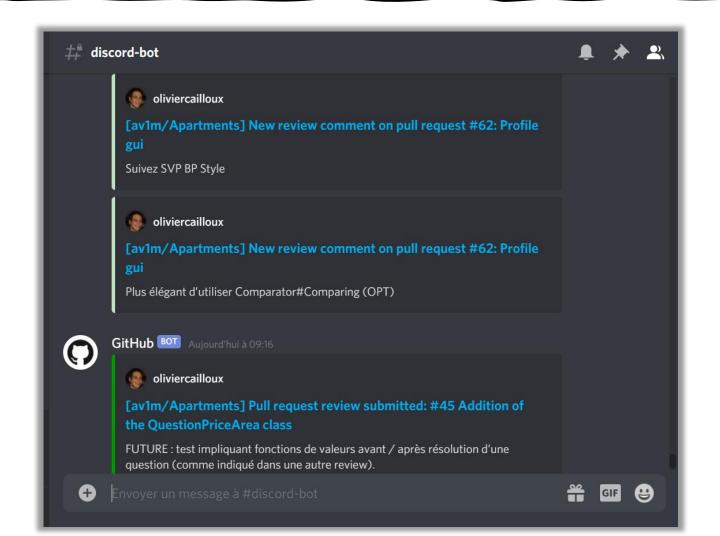
Google Java Format

Ne vous limitez plus à Eclipse!

```
io.github.oliviercailloux.y2018.apartments.valuefunction.profile; import static com.google.common.base Preconditions.checkArgument;
this.linearAvf=blavf.build();this.rangesMap=new EnumMap<>(Criterion.class);for(Criterion c:Criterion.values())(this.rangesMap.put(c,Range.closed
    lvate Profile(EnumMap<Criterion,Range<Double>>rangesMap,LinearAVF linearAvf)(this.linearAvf*checkNotNull(linearAvf);checkNotNull(rangesMap);checkNotNull(rangesMap)
   blic static Profile create(EnumMap<Criterion,Range<Double>>rangesMap,LinearAVF) linearAVf)(return new Profile(rangesMap,linearAVf);)
             LinearAVF getLinearAVF(){return this.linearAvf;}
               Range<Double>getWeightRange(Criterion crit){checkArgument(this.rangesMap.containsKey(crit));return this.rangesMap.get(crit);}
               ImmutableMap<Criterion,Range<Double>>getWeightsRange(){return Maps.immutableEnumMap(this.rangesMap);}
double getMiddleOfRange(Criterion crit){return(this.getWeightRange(crit).upperEndpoint()#this.getWeightRange(crit).lowerEndpoint())/2;}
              Profile withLinearAVF(LinearAVF newLinearAVF)(Arrays.stream(Criterion.values()).forEach(c->this.checkWeightInRange(c,newLinearAVF));re
       lic woid checkWeightInRange(Criterion crit,LinearAVF linearAVF)(Range(Double)range=this.getWeightRange(crit);Double weight=linearAVF.getWeight
              void checkWeightInRanges(Criterion crit, LinearAVF) | Range (Double range this, getWeightRange (crit); Double weight linearAVF, getWeight | Double weight | Do
                 void setWeightRange(Criterion crit,Range(Double>value)(checkArgument(this.rangesMap.containsKey(crit));checkRangeValidity(value);this.rangesMap.containsKey(crit));checkRangeValidity(value);this.rangesMap.containsKey(crit));
                  void setWeightRanges(Criterion crit,Range<Double>value){checkArgument(this.rangesMap.containsKey(crit));checkRangeValidity(value);this.ra
                 void checkRangeValidity(Range<Double>value){checkNotNull(value, "The rage cannot be null");checkArgument(value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.hasLowerSound()&&value.has
     olic static class Builder(private Profile toBuild; public Builder()(toBuild=new Profile();)
             Profile build(){checkNotNull(toBuild.linearAvf);for(Criterion c:Criterion.values()){checkNotNull(toBuild.getWeightRange(c),c.name()=" is n
              toBuild;}
              Builder setLinearAVF(LinearAVF newLinearAvf)(this.toBuild.linearAvf-newLinearAvf;return this;)
              Builder setWeightRange(Criterion crit, double lowerValue, double upperValue) { this.toBuild.setWeightRange(crit, Range.closed(lowerValue, upperV
               Builder setWeightRange(Criterion crit,Range(Double>value)(this.toBuild.setWeightRange(crit,value);return this;})
              static class Builders(private Profile toBuild;public Builders()(toBuild=new Profile();)
              Profile build(){checkNotNull(toBuild.linearAvf); for(Criterion c Criterion.values()){checkNotNull(toBuild.getWeightRange(c),c.name()+" is n
              toBuild;}
               Builders settinearAVF(LinearAVF newLinearAvf)(this.toBuild.linearAvf=newLinearAvf;return this;)
              Builders setWeightRange(Criterion crit, double lowerValue, double upperValue)(this.toBuild.setWeightRange(crit,Range.closed(lowerValue,upper
               Builders setWeightRange(Criterion crit, Range(Double>value)(this.toBuild.setWeightRange(crit, value); return this; })}
```



Bot Discord





Code Factor





Dependabot

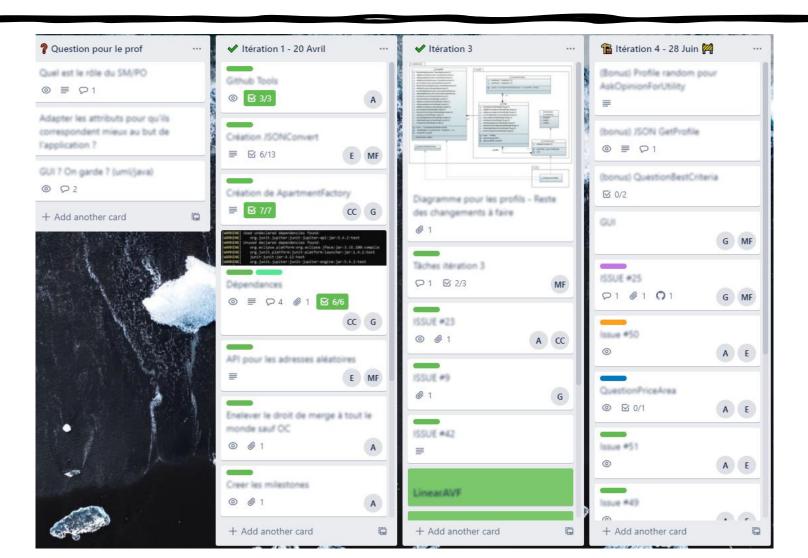
```
Bump junit-jupiter-engine from 5.4.2 to 5.6.2 dependencies
#1 opened 11 seconds ago by dependabot-preview bot
```

Code Inspector





Trello



Challenges



Garder une documentation complète et à jour



Designer et implémenter entièrement des fonctionnalités



Faciliter le développement et augmenter la qualité

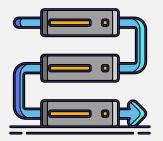
Difficultés



Compréhension de l'algorithme



Prise en compte de l'existant



Gestion des dépendances entre binômes

Evolutions futures de l'application



Créer de nouveaux profils



Ajout d'apprentissage par renforcement



Implémenter de nouvelles questions



Calculer la distance jusqu'au métro

Fun Facts





O Pull request refusée

© 20 Issues traitées

Fun Facts



+10 351 messages échangés



+73 mails échangés avec M. Cailloux



Pas d'heures pour travailler



Lignes modifiées en une semaine



Sources

- Illustrations : https://www.gif-maniac.com, https://www.flaticon.com/authors/freepik, https://www.gif-maniac.com, https://www.behance.net/ (Onur Mermer)
- Image fond de la présentation : https://pixabay.com/fr/users/7769808-7769808/
- Image Github : https://github.com/av1m/Apartments/pulls
- Image Discord : https://discord.com/channels/
- Statistiques Github : https://github.com/av1m/Apartments/pulse
- **DOCUMENTATION DU PROJET**: https://github.com/av1m/Apartments/blob/master/README.adoc