Semaine 3

Description des tests

On suppose que les tags sont a 100% issus des URL des images.

E3

<u>TE1E3</u> : **Tester que les images retournées sont les bonnes avec un mot simple**

- **Input :** fait la requête `/myImageFromKeyword/salmon/`
- **Conditions a respecter pour que le test passe :**
    - 11 Résultats
    - Que chaque images aient le tag "*salmon*"
    - Qu'avec la base de test on ait ces résultats :

```
 1  https://image.freepik.com/free-photo/tomato-vegetable-salad-with-
    smoked-salmon-meat_74190-2776.jpg
 2  https://image.freepik.com/free-photo/salmon-salad_74190-601.jpg
 3  https://image.freepik.com/free-vector/seafood-realistic-set-with-
    whole-fresh-salmon-shrimps-squid-slices-octopus-tentacles-mussels-
    transparent_1284-31935.jpg
 4  https://image.freepik.com/free-vector/seafood-cocktail-ingredients-
    realistic-composition-with-whole-fresh-salmon-fish-shrimps-octopus-
    tentacle-lemon-herbs_1284-31931.jpg
 5  https://image.freepik.com/free-vector/salmon-sushi-cartoon-icon-
    illustration-japanese-food-icon-concept-isolated-flat-cartoon-
    style_138676-2569.jpg
 6  https://image.freepik.com/free-photo/delicious-fresh-salmon-fish_23-
    2148708708.jpg
 7  https://image.freepik.com/free-photo/raw-salmon-fillet-ingredients-
    cooking_2829-5177.jpg
 8  https://image.freepik.com/free-photo/whole-salmon-isolated-
    white_95419-4457.jpg
 9  https://image.freepik.com/free-vector/salmon-fish-raw-steaks-caviar-
    icons-set-isolated-white_1284-33354.jpg
10  https://image.freepik.com/free-photo/grilled-salmon-with-various-
    vegetables-plate_1205-8061.jpg
11  https://image.freepik.com/free-photo/raw-salmon-fish-vintage-
    pan_1220-3157.jpg
```

<u>TE2E3</u> : **Tester que la recherche avec des caractères spéciaux ne retournent rien**

- **Input :** fait la requête `/myImageFromKeyword/thé/`
- **Conditions a respecter pour que le test passe :**
    - 0 Résultats
- Que le retour de résultats vide ne pose pas de soucis particulier (crash etc...)

<u>TE3E3</u> : **Tester que la recherche un mot est correctement classée**

- **Input :** fait la requête `/myImageFromKeyword/grilled/`

- **Conditions a respecter pour que le test passe :**
  - 3 Résultats
  - Que le classement des liens correspondent a celui decidé durant la réunion de T10E3

TE4E3 : **Tester dans le backend le précalul de KMP**

- **Input :** Lancer l'algorithme de précalcul sur `["AAAA", "ABCDE", "AABAACAABAA"]`

- **Condition a respecter pour que le test passe :**
  - Il faut que la matrice de résutat soit : `[[0, 1, 2, 3], [0, 0, 0, 0, 0], [0, 1, 0, 1, 2, 0, 1, 2, 3, 4, 5]]`

TE5E3 : **Tester dans le backend KMP**

- **Input :** Lancer l'algorithme sur `["lorem", "Donec", "mi", "est", "um"]` avec le texte `"lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin at condimentum lacus, nec finibus orci. Nunc in lectus condimentum, egestas risus a, semper erat. Donec vitae lorem id metus venenatis aliquet ac in nisl. Donec lacinia nibh eget leo mattis tincidunt. Nulla nibh lacus, condimentum eu est non, dictum euismod libero. Aenean tincidunt arcu mauris, a blandit lectus volutpat vel. Curabitur bibendum mi consectetur nulla venenatis, eget ultrices diam iaculis. Maecenas condimentum, tortor sit amet vestibulum semper, turpis velit rhoncus mi, nec gravida risus neque vitae urna. Quisque tincidunt dignissim est, eget dictum sem congue ac. Phasellus vestibulum aliquam lorem"`

- **Condition a respecter pour que le test passe :**
  - Que les posiitions de matchs retournées soient : `[`
    `[[0, 5], [173, 178], [676, 681]],`
    `[[161, 166], [218, 223]],`
    `[[409, 411], [547, 549]],`
    `[[133, 136], [297, 300], [508, 511], [615, 618], [658, 661]],`
    `[[9, 11], [75, 77], [127, 129], [291, 293], [310, 312], [406, 408], [487, 489], [515, 517], [629, 631], [665, 667]]`
    `]`

E4

TE6E4 : **Tester que les images retournées sont les bonnes avec une regex**

- **Input :** faire la requête `/myImageFromRegex/sea*/`

- **Conditions a respecter pour que le test passe :**
  - 30 résultats
  - Qu'au moins un des tags corresponde à la regex `sea*`
  - Que les liens retournés soient :

```
1  https://image.freepik.com/free-photo/close-up-mix-seafood-wodden-
   bottom_23-2148290501.jpg
2  https://image.freepik.com/free-photo/top-view-frame-seafood-mix_23-
   2148290577.jpg
3  https://image.freepik.com/free-photo/raw-sea-bream-fish_67618-1464.jpg
4  https://image.freepik.com/free-photo/close-up-fresh-fish-meat_23-
   2148263861.jpg
5  https://image.freepik.com/free-photo/set-delicious-sushi-wooden-
   plate_114579-31714.jpg
```

```
 6  https://image.freepik.com/free-photo/beautiful-shot-common-bottlenose-
    dolphin-living-his-best-life-sea_181624-26604.jpg
 7  https://image.freepik.com/free-photo/set-delicious-sushi-with-
    chopsticks-ginger-marble-surface_114579-32554.jpg
 8  https://image.freepik.com/free-vector/seafood-flat-icons-big-set_1284-
    20035.jpg
 9  https://image.freepik.com/free-vector/set-icons-with-sea-river-fishes-
    with-inscriptions-white-isolated_1284-26638.jpg
10  https://image.freepik.com/free-photo/roasted-fish-garnished-with-lemon-
    slices-served-with-vegetables_140725-1413.jpg
11  https://image.freepik.com/free-vector/seafood-realistic-set-with-whole-
    fresh-salmon-shrimps-squid-slices-octopus-tentacles-mussels-
    transparent_1284-31935.jpg
12  https://image.freepik.com/free-photo/seafood-dish-assortment-copy-
    space_23-2148637885.jpg
13  https://image.freepik.com/free-vector/seafood-cocktail-ingredients-
    realistic-composition-with-whole-fresh-salmon-fish-shrimps-octopus-
    tentacle-lemon-herbs_1284-31931.jpg
14  https://image.freepik.com/free-psd/one-fresh-sea-bass-fish-isolated-
    white-background_88281-3744.jpg
15  https://image.freepik.com/free-photo/two-raw-seabass-with-spices_2829-
    13950.jpg
16  https://image.freepik.com/free-vector/salmon-sushi-cartoon-icon-
    illustration-japanese-food-icon-concept-isolated-flat-cartoon-
    style_138676-2569.jpg
17  https://image.freepik.com/free-photo/flying-food-raw-sea-bass-fish-with-
    spices_136595-4.jpg
18  https://image.freepik.com/free-photo/set-delicious-sushi-roll-marble-
    surface_114579-31713.jpg
19  https://image.freepik.com/free-photo/thai-food-mackerel-chili-paste-
    served-with-fried-mackerel-sticky-rice_1150-35229.jpg
20  https://image.freepik.com/free-photo/fresh-sea-bass-fish-ingredients-
    cooking-lemon-rosemary-white-background-top-view_101035-101.jpg
21  https://image.freepik.com/free-photo/top-view-delicious-exotic-seafood-
    dish_23-2148637868.jpg
22  https://image.freepik.com/free-vector/seafood_1308-33382.jpg
23  https://image.freepik.com/free-photo/still-life-with-uncooked-
    seafoods_1398-3683.jpg
24  https://image.freepik.com/free-photo/fresh-sea-bream-hanged-tail-rope-
    center_346278-487.jpg
25  https://image.freepik.com/free-vector/salmon-fish-raw-steaks-caviar-
    icons-set-isolated-white_1284-33354.jpg
26  https://image.freepik.com/free-vector/fish-sea_1308-26790.jpg
27  https://image.freepik.com/free-vector/two-japanese-koi-fish-
    swimming_53876-16876.jpg
28  https://image.freepik.com/free-photo/roasted-seabass-with-
    vegetables_2829-14260.jpg
29  https://image.freepik.com/free-photo/grilled-fish-close-up-decorated-
    with-vegetables_1303-12328.jpg
30  https://image.freepik.com/free-photo/seafood-plate-with-shrimps-mussels-
    lobsters-served-with-lemon_140725-8798.jpg
```

TE7E4 : **Tester que les images retournées sont les bonnes avec une regex complexe**

- **Input :** faire la requête `/myImageFromRegex/w*|(b+|d+)|se/`

- **Conditions a respecter pour que le test passe :**
  - 99 résultats

- Qu'au moins un des tags corresponde à la regex `w*|(b+|d+)|se`
- Que les liens retournés soient :

```
1   https://image.freepik.com/free-photo/top-view-fresh-fishes-ice-cubes_23-
    2148295258.jpg
2   https://image.freepik.com/free-photo/close-up-mix-seafood-wodden-
    bottom_23-2148290501.jpg
3   https://image.freepik.com/free-photo/top-view-fresh-fishes-with-gills-
    ice_23-2148295250.jpg
4   https://image.freepik.com/free-photo/raw-red-prawns-sale_449-
    19326194.jpg
5   https://image.freepik.com/free-photo/top-view-frame-seafood-mix_23-
    2148290577.jpg
6   https://image.freepik.com/free-photo/clupeidae-fresh-small-fishes_1205-
    2205.jpg
7   https://image.freepik.com/free-photo/black-tilapia-tilapia_1339-853.jpg
8   https://image.freepik.com/free-photo/cut-parsley-spices-near-fish_23-
    2147753651.jpg
9   https://image.freepik.com/free-photo/raw-sea-bream-fish_67618-1464.jpg
10  https://image.freepik.com/free-photo/top-view-fresh-fish-with-lemon_23-
    2148290570.jpg
11  https://image.freepik.com/free-photo/close-up-fresh-fish-meat_23-
    2148263861.jpg
12  https://image.freepik.com/free-photo/tomato-vegetable-salad-with-smoked-
    salmon-meat_74190-2776.jpg
13  https://image.freepik.com/free-photo/goldfish-fish-tank_33751-480.jpg
14  https://image.freepik.com/free-photo/sashimi_74190-2351.jpg
15  https://image.freepik.com/free-photo/salmon-salad_74190-601.jpg
16  https://image.freepik.com/free-photo/hanging-octopus-fish-market_449-
    19325810.jpg
17  https://image.freepik.com/free-photo/set-delicious-sushi-wooden-
    plate_114579-31714.jpg
18  https://image.freepik.com/free-photo/various-ingredients-shabu-hot-pot-
    with-sauce_1150-35281.jpg
19  https://image.freepik.com/free-photo/various-ingredients-shabu-hot-pot-
    with-sauce_1150-35282.jpg
20  https://image.freepik.com/free-vector/fish-logo-template_15146-147.jpg
21  https://image.freepik.com/free-photo/beautiful-shot-common-bottlenose-
    dolphin-living-his-best-life-sea_181624-26604.jpg
22  https://image.freepik.com/free-photo/set-delicious-sushi-with-
    chopsticks-ginger-marble-surface_114579-32554.jpg
23  https://image.freepik.com/free-vector/seafood-flat-icons-big-set_1284-
    20035.jpg
24  https://image.freepik.com/free-photo/fresh-bass-with-white-
    background_1203-1781.jpg
25  https://image.freepik.com/free-vector/set-icons-with-sea-river-fishes-
    with-inscriptions-white-isolated_1284-26638.jpg
26  https://image.freepik.com/free-photo/roasted-fish-garnished-with-lemon-
    slices-served-with-vegetables_140725-1413.jpg
27  https://image.freepik.com/free-vector/seafood-realistic-set-with-whole-
    fresh-salmon-shrimps-squid-slices-octopus-tentacles-mussels-
    transparent_1284-31935.jpg
28  https://image.freepik.com/free-photo/baked-fish-dorado-with-lemon-herbs-
    baking-pan_2829-11060.jpg
29  https://image.freepik.com/free-photo/seafood-dish-assortment-copy-
    space_23-2148637885.jpg
```

```
30   https://image.freepik.com/free-vector/seafood-cocktail-ingredients-
     realistic-composition-with-whole-fresh-salmon-fish-shrimps-octopus-
     tentacle-lemon-herbs_1284-31931.jpg
31   https://image.freepik.com/free-photo/raw-fish-market_1398-2421.jpg
32   https://image.freepik.com/free-psd/one-fresh-sea-bass-fish-isolated-
     white-background_88281-3744.jpg
33   https://image.freepik.com/free-photo/round-scad-fish_1205-2098.jpg
34   https://image.freepik.com/free-photo/two-raw-seabass-with-spices_2829-
     13950.jpg
35   https://image.freepik.com/free-photo/bluefin-tuna-really-fresh-isolated-
     white_79295-2.jpg
36   https://image.freepik.com/free-vector/salmon-sushi-cartoon-icon-
     illustration-japanese-food-icon-concept-isolated-flat-cartoon-
     style_138676-2569.jpg
37   https://image.freepik.com/free-photo/hot-pot-shabu-raw-fresh-sliced-
     fish-plate_1150-35268.jpg
38   https://image.freepik.com/free-photo/indian-mackerel-rastrelliger-
     kanagurta_1205-2588.jpg
39   https://image.freepik.com/free-vector/drink-like-fish_1308-17737.jpg
40   https://image.freepik.com/free-vector/fish_53876-59060.jpg
41   https://image.freepik.com/free-photo/fresh-mackerel-steak_1339-3349.jpg
42   https://image.freepik.com/free-photo/fresh-fish-white_144627-24519.jpg
43   https://image.freepik.com/free-photo/halfmoon-betta-fish_1150-7812.jpg
44   https://image.freepik.com/free-photo/flying-food-raw-sea-bass-fish-with-
     spices_136595-4.jpg
45   https://image.freepik.com/free-vector/simple-fish-cartoon-
     character_1308-26444.jpg
46   https://image.freepik.com/free-photo/raw-fish-market_1398-2423.jpg
47   https://image.freepik.com/free-photo/set-delicious-sushi-roll-marble-
     surface_114579-31713.jpg
48   https://image.freepik.com/free-photo/thai-food-mackerel-chili-paste-
     served-with-fried-mackerel-sticky-rice_1150-35229.jpg
49   https://image.freepik.com/free-photo/fresh-sea-bass-fish-ingredients-
     cooking-lemon-rosemary-white-background-top-view_101035-101.jpg
50   https://image.freepik.com/free-photo/top-view-fish-blue-background_23-
     2148736935.jpg
51   https://image.freepik.com/free-photo/delicious-fresh-salmon-fish_23-
     2148708708.jpg
52   https://image.freepik.com/free-photo/top-view-fish-with-herbs-lemon_23-
     2148754809.jpg
53   https://image.freepik.com/free-photo/betta-fish_1150-7907.jpg
54   https://image.freepik.com/free-vector/fish-out-water_1043-38.jpg
55   https://image.freepik.com/free-photo/pickled-atlantic-herring-fishes-
     cutting-board_166373-878.jpg
56   https://image.freepik.com/free-photo/top-view-fish-frame-with-copy-
     space_23-2148736924.jpg
57   https://image.freepik.com/free-photo/top-view-delicious-exotic-seafood-
     dish_23-2148637868.jpg
58   https://image.freepik.com/free-vector/seafood_1308-33382.jpg
59   https://image.freepik.com/free-photo/mackerel-market_1150-11085.jpg
60   https://image.freepik.com/free-photo/raw-salmon-fillet-ingredients-
     cooking_2829-5177.jpg
61   https://image.freepik.com/free-photo/betta-fish_1150-7905.jpg
62   https://image.freepik.com/free-photo/raw-fish-market_1398-2423.jpg
63   https://image.freepik.com/free-photo/red-mullet-fish-isolated-white-
     background_1205-513.jpg
64   https://image.freepik.com/free-photo/still-life-with-uncooked-
     seafoods_1398-3683.jpg
```

```
65  https://image.freepik.com/free-photo/cracker-with-red-caviar-
    wood_114579-31069.jpg
66  https://image.freepik.com/free-photo/mix-sushi-red-caviar-blue-
    surface_114579-31807.jpg
67  https://image.freepik.com/free-photo/delicious-sushi-with-caviar-ginger-
    vasabi-wooden-plate_114579-31736.jpg
68  https://image.freepik.com/free-photo/indian-mackerel-rastrelliger-
    kanagurta_1205-2582.jpg
69  https://image.freepik.com/free-vector/goldfish-cartoon_1366-254.jpg
70  https://image.freepik.com/free-photo/betta-fish_1150-7895.jpg
71  https://image.freepik.com/free-photo/tilapia-raw_1339-896.jpg
72  https://image.freepik.com/free-photo/sardines-sale-container_449-
    19326263.jpg
73  https://image.freepik.com/free-photo/fried-fish-carp-fresh-vegetable-
    salad-flat-lay-top-view_2829-19949.jpg
74  https://image.freepik.com/free-photo/fresh-whole-fish_1203-1783.jpg
75  https://image.freepik.com/free-photo/whole-salmon-isolated-white_95419-
    4457.jpg
76  https://image.freepik.com/free-photo/fresh-sea-bream-hanged-tail-rope-
    center_346278-487.jpg
77  https://image.freepik.com/free-photo/fresh-fish-white_144627-24518.jpg
78  https://image.freepik.com/free-vector/salmon-fish-raw-steaks-caviar-
    icons-set-isolated-white_1284-33354.jpg
79  https://image.freepik.com/free-vector/watercolor-fish-background_1176-
    201.jpg
80  https://image.freepik.com/free-photo/flat-lay-fishes-with-fishing-
    net_23-2148736934.jpg
81  https://image.freepik.com/free-vector/fish-sea_1308-26790.jpg
82  https://image.freepik.com/free-vector/two-japanese-koi-fish-
    swimming_53876-16876.jpg
83  https://image.freepik.com/free-photo/fried-fish-with-grilled-eggplants-
    bell-peppers-tomatoes-sauce_141793-736.jpg
84  https://image.freepik.com/free-photo/grilled-salmon-with-various-
    vegetables-plate_1205-8061.jpg
85  https://image.freepik.com/free-photo/roasted-seabass-with-
    vegetables_2829-14260.jpg
86  https://image.freepik.com/free-photo/grilled-fish-close-up-decorated-
    with-vegetables_1303-12328.jpg
87  https://image.freepik.com/free-photo/blackout-piranha_181624-4130.jpg
88  https://image.freepik.com/free-photo/top-view-fish-frame-with-ice-
    lemon_23-2148754807.jpg
89  https://image.freepik.com/free-photo/frame-with-fresh-fish-
    condiments_23-2148290465.jpg
90  https://image.freepik.com/free-photo/octopus-sale-fish-market_449-
    19326006.jpg
91  https://image.freepik.com/free-photo/fried-fish-carp-fresh-vegetable-
    salad-wooden-table-flat-lay-top-view_2829-19944.jpg
92  https://image.freepik.com/free-photo/fresh-fish-dorado_87742-8770.jpg
93  https://image.freepik.com/free-photo/seafood-plate-with-shrimps-mussels-
    lobsters-served-with-lemon_140725-8798.jpg
94  https://image.freepik.com/free-photo/live-lobster_163068-31.jpg
95  https://image.freepik.com/free-photo/fresh-butterfish_1205-2201.jpg
96  https://image.freepik.com/free-photo/frame-top-view-fish-copy-space_23-
    2148708640.jpg
97  https://image.freepik.com/free-photo/raw-salmon-fish-vintage-pan_1220-
    3157.jpg
98  https://image.freepik.com/free-photo/bigeye-fish-isolated-white-
    background_1205-642.jpg
```

```
99   https://image.freepik.com/free-photo/fresh-butterfish_1205-2198.jpg
```

<u>TE8E4</u>: **Tester qu'une mauvaise regex renvoie bien une erreur gérée et ne plante pas**

- **Input :** faire une requête `/myImageFromRegex/+|/`

- **Conditions a respecter pour que le test passe :**

    - Que l'erreur soit correctement gérée par l'API et qu'elle ne retourne pas internal error
    - 0 résultats

<u>TE9E4</u> : **Tester que la recherche avec regex est correctement classée**

- **Input :** fait la requête `/myImageFromKeyword/ja*/`

- **Conditions a respecter pour que le test passe :**

    - 2 Résultats
    - Que le classement des liens correspondent a celui decidé durant la réunion de T10E3

<u>TE10E4</u> : **Tester l'AST généré par la lecture d'une regex**

- **Input :** Faire tourner l'algorithme de conversion `a*, a+, a|b, ab`

- **Conditions a respecter pour que le test passe :**

    - Qu'en retour on est les AST `*(a), +(a), |(a,b), .(a,b)`

<u>TE11E4</u> : **Tester l'automate générer depuis un AST**

- **Input :** Faire tourner les algorithmes sur `*(a), +(a), |(a,b), .(a,b)`

- **Conditions a respecter pour que le test passe :**

    - Qu'en retour on est les automates correspondants

<u>TE12E4</u> : **Tester la déterminisation de l'automate**

- **Input :** Faire tourner l'alogrithme de déterminisation sur des automates non déterminisés

- **Conditions a respecter pour que le test passe :**

    - Avoir les automates déterminisés correspondant

<u>TE13E4</u> : **Tester la minisation de l'automate**

- **Input :** Faire tourner l'algorithme de minimisation sur des algorithmes déterminés

- **Conditions a respecter pour que le test passe :**

    - Avoir les automates minimisés correspondant

<u>TE15E4 :</u> **Tester la lecture d'un texte depuis une regex dans le backend (sans API)**

- **Input :** Faire tounrer l'algorithme sur une regex

- **Conditions a respecter pour que le test passe :**

    - Verifier que dans un texte donné nous récupérons les bons matchs