

Test Time tool chain evolve

```
Code-wrapped Atomic tool
def get_project_info(path):①
    resp = gitlab_api( Atomic tool
        endpoint=f"/projects/
{path}"
    )
    return {
        "name": resp["name"],
        "stars": resp["star_count"],
        "forks": resp["forks_count"],
    }

def get_commits(path):
    resp = gitlab_api(
        endpoint=f"/projects/
{path}/commits"
    )
    return {
        "count": len(resp),
        "recent": resp[:20],
        "authors": unique_authors(resp),
    }
```

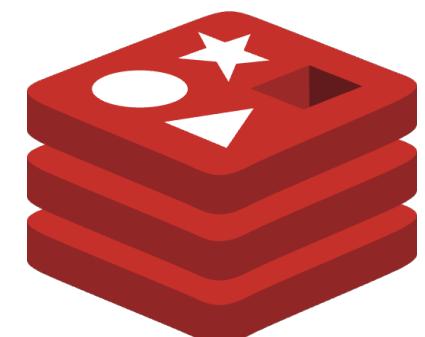
```
②
def get_contributors(path):
    resp = gitlab_api(
        endpoint=f"/projects/
{path}/contributors"
    )
    return {
        "total": len(resp),
        "top_5": resp[:5],
    }

③
def get_branches(path):
    resp = gitlab_api(
        endpoint=f"/projects/
{path}/branches"
    )
    protected = [b for b in resp
        if b["protected"]]
    return {
        "total": len(resp),
        "protected":
len(protected),
        "default": resp[0]
        ["name"],
    }
```

Task: Lowest
LV bag price
by country



Sample Task



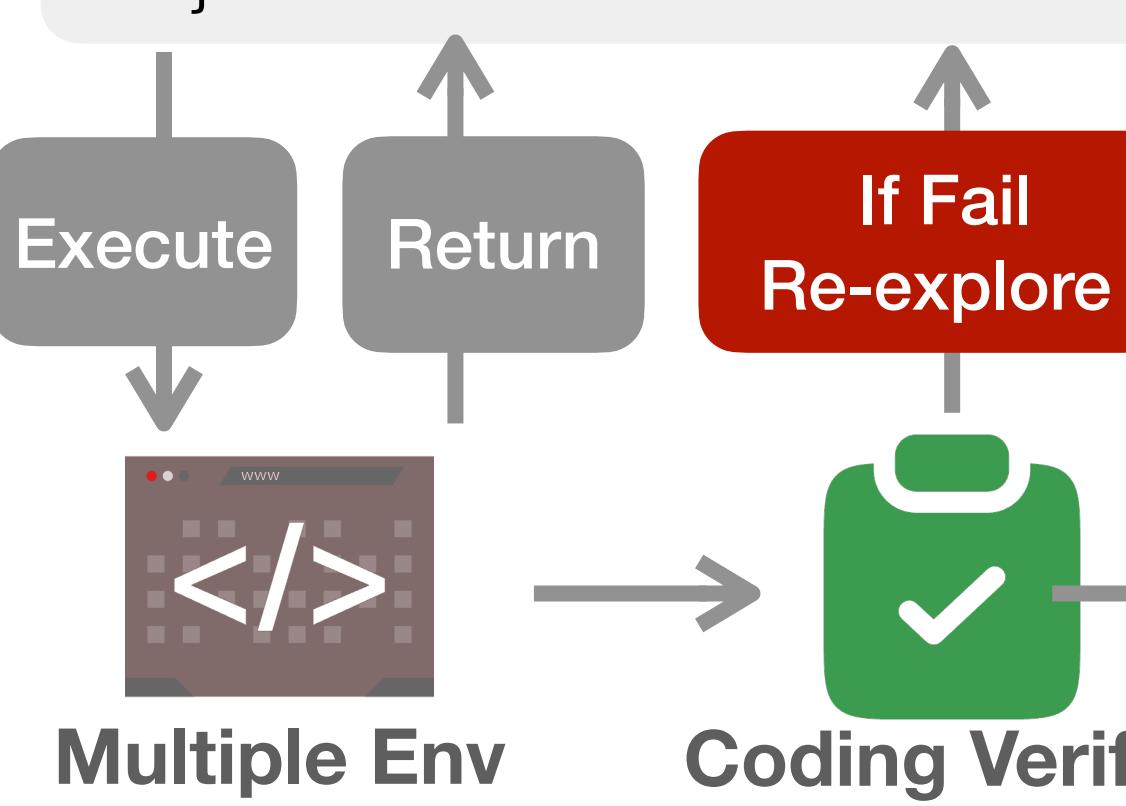
Task Library

Iterative Skill Composition

Skill  gitlab_project_analyzer

```
def gitlab_project_analyzer(path):
    ① info = get_project_info(path)
    ② contributors =
get_contributors(path)
    ④ commits = get_commits(path)
    branches = get_branches(path)

    return {
        "path": project_path,
        "name": info["name"],
        "stars": info["stars"],
        "contributors": contributors["total"],
        "recent_commits": commits["count"],
        "branches": branches["total"],
    }
```



Skill Library

- | |
|--|
|  region_earthquakes_analyzer |
|  vocabulary_card_builder |
|  gitlab_project_analyzer |
|  country_economic_analyzer |
|  tvmaze_show_data_extractor |
|  city_weather_analyzer |
|  cocktail_menu_generator |
|  pokemon_info_collector |

Usable Skill retrieval