
progstats

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PROGSTATS PACKAGE

1.1 Subpackages

1.1.1 progstats.entities package

Submodules

progstats.entities.Project module

```
class progstats.entities.Project.Project (name: str, topics:  
                                         List[progstats.entities.Topic.Topic])  
  
Bases: object  
  
Models a project  
  
__init__ (name: str, topics: List[progstats.entities.Topic.Topic])  
    Initializes the project :param name: The name of the project :param topics: The topics available for this  
    project  
  
add_topic (topic: progstats.entities.Topic.Topic)  
    Adds a topic to the project :param topic: The topic to add :return: None  
  
get_target (host: str, topic: progstats.entities.Topic.Topic) → str  
    Generates the target URL to the data resource for a specified topic :param host: The host's root URL  
    :param topic: The topic to generate the target path for :return: The generated path, or None if the specified  
    topic does not  
  
    apply to this project
```

progstats.entities.Topic module

```
class progstats.entities.Topic.Topic (root_dir: str, topic_type:  
                                         progstats.entities.Topic.TopicType)  
  
Bases: object  
  
Models a topic  
  
__init__ (root_dir: str, topic_type: progstats.entities.Topic.TopicType)  
    Initializes the topic :param root_dir: The root data directory path :param topic_type:  
  
generate_path (project_name: str) → str  
    Generates the path to a project's data resource :param project_name: The name of the project :return: The  
    path to the resource
```

```
class progstats.entities.Topic.TopicType (value)
    Bases: enum.Enum

    An enumeration modelling all possible topic types

    COVERAGE = ('coverage', '{@project}/index.html')
    DOC_HTML = ('doc_html', '{@project}/index.html')
    DOC_PDF = ('doc_pdf', '{@project}.pdf')
    GITSTATS = ('gitstats', '{@project}/index.html')
    GIT_STATS = ('git_stats', '{@project}/index.html')
```

Module contents

`progstats.entities.get_projects()` → List[*progstats.entities.Project.Project*]
Retrieves a list of all projects :return: The list of projects

`progstats.entities.get_topics()` → List[*progstats.entities.Topic.Topic*]
Retrieves a list of all available topics :return: The list of topics

1.2 Submodules

1.3 progstats.main module

1.4 progstats.router module

`progstats.router.index()`
The Home page of the website. Will display the /project/ page. :return: The /projects/ page

`progstats.router.projects(project_name: str = None)`
Lists all projects or displays details about a single project :param project_name: The name of the project to display. :return: An HTML document containing a list of projects
or the details of the selected project

`progstats.router.topics(topic_name: str = None)`
Displays a list of all available topics or a list of projects that offer info on a specified topic :param topic_name: The name of the topic to display :return: The page containing all available topics or the projects applicable to a topic

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