

Manga downloader

Components:

- CLI
- Download service
- Reducer

CLI

Function to take a string manga name and optional chapters and call the download service.

Cli usage examples :

- to download all chapters:

```
sbt run bleach
```

- to download first 10 chapters:

```
sbt run bleach 10
```

- to download chapters from 10 to 20:

```
sbt run bleach 10 20
```

Download service

Components:

- crawler to get image urls for given chapter numbers
- function to download images

crawler usage examples:

```
crawlerFirstPage(mangaName) ->  
page source for www.mangareader.net/mangaName  
list of chapters for mangaName  
crawlerForChapter(mangaName, chapterNumber) ->  
page source for www.mangareader.net/manganame ->  
list of image locations for chapterNumber  
crawler(mangaName)  
list of image locations for all chapter for mangaName
```

Reducer

Function to await downloaded images from all threads and create folders to sort images based on their chapter and page number.

reducer result examples -

for ex 1:

folder structure like

[1[1.jpg,2.jpg,3.jpg...]2[1.jpg,2.jpg,...],..600ish[1.jpg, ..]

for ex2:

folder structure like

[1[1.jpg,2.jpg,3.jpg...]2[1.jpg,2.jpg,...],..10[1.jpg, ..]

for ex3:

folder structure like

[10[1.jpg,2.jpg,3.jpg...]11[1.jpg,2.jpg,...],..20[1.jpg, ..]