



MOVIE MANAGER



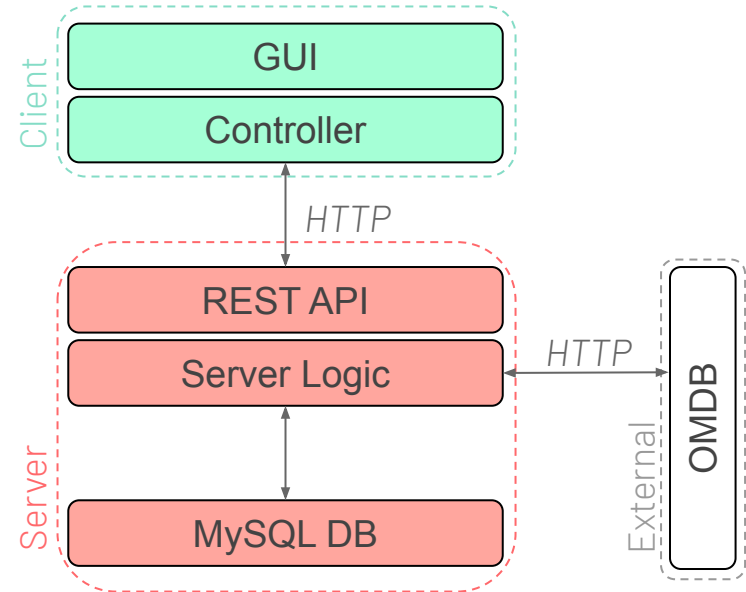
TEAM 9: Amaia Goñi, Mikel Solabarrieta, Luis Urrechaga, Borja Valverde, Ander Villate

Purpose of the Application and its Architecture

Purpose

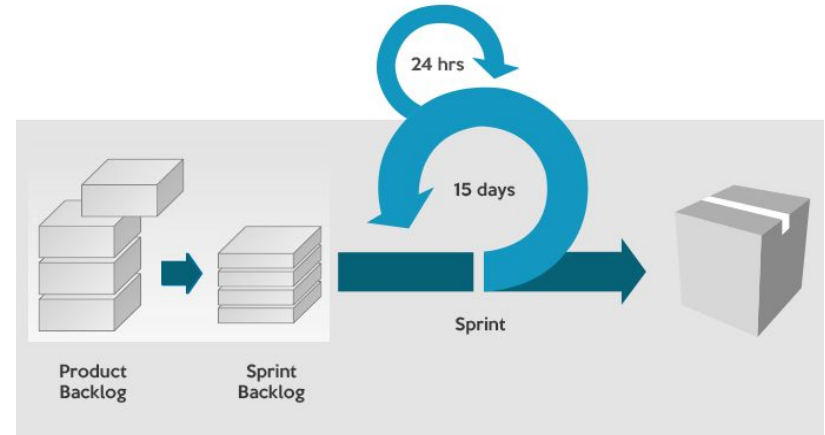
- Management of movies application.
- Leisure purpose → focused on home use.
- Gives easy interactions and info about the movies.
- Organize and rate movies.

Architecture



Process using SCRUM

- Pregame phase: planning
 - Scrum master
 - Project architecture
- Game phase: development
 - Sprint 1
 - Sprint 2
 - Sprint 3
- Postgame phase
 - Testing
 - Documentation



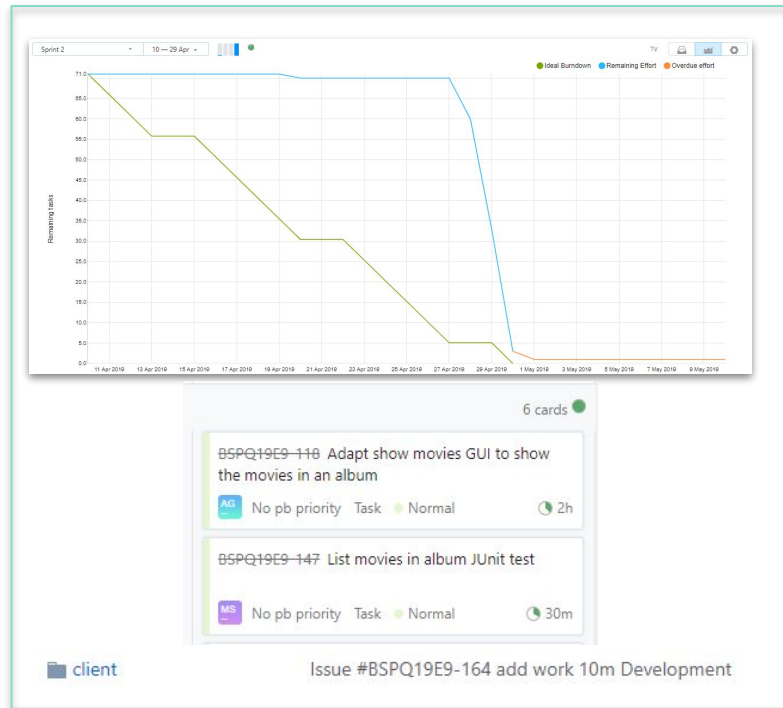
YouTrack for Scrum and integration with GitHub

YouTrack:

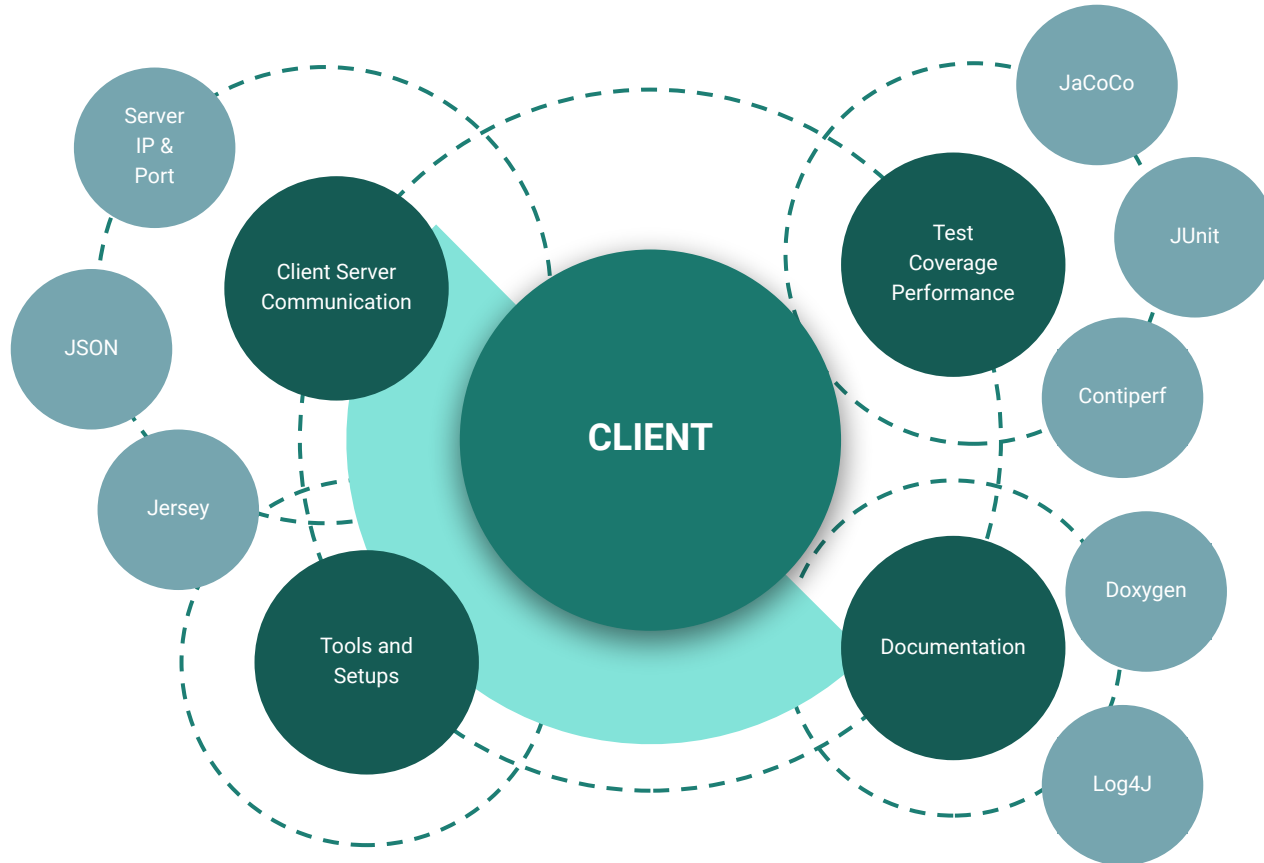
- Dividing tasks.
- Estimation and time spent for each task.
- Status of every task.
- Burndowns for the sprints.

GitHub - Easily register time spent on each task:

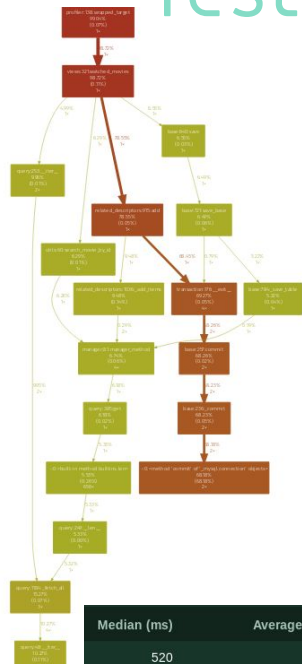
#<Task ID> add work <Spent Time> h
<Task Type>



Use of Maven



Tests, Coverage and Performance Testing



Silk, Locust

Median (ms)	Average (ms)	Min (ms)	Max (ms)
520	544	441.0879611968994	679.8009872436523
600	602	601.9859313964844	601.9859313964844
490	487	400.79641342163086	575.953483581543
460	511	228.85370254516602	920.5665588378906
490	519	228.85370254516602	920.5665588378906

VisualVM

Total Time [%]	Total Time	Invocations
	3.264 ms (100%)	1
	2.503 ms (76,7%)	1
	2.470 ms (75,7%)	1
	30,3 ms (0,9%)	1
	2,98 ms (0,1%)	1

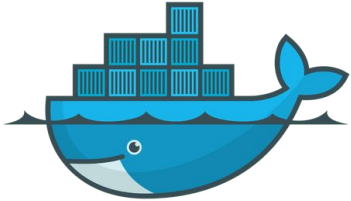
JaCoCo, Coverage

```
tests 100% files, 94% lines covered
  __init__.py
  admin.py not covered
  apps.py 100% lines covered
  models.py 97% lines covered
  README.md
  urls.py 100% lines covered
  utils.py 88% lines covered
  views.py 87% lines covered
  spq_server 66% files, 100% lines covered
```

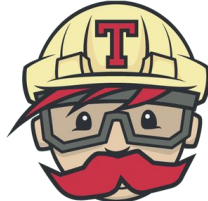
MovieManagerClient

Element	Missed Instructions	Cov.	Missed Branches	Cov.
main(String[])		0%		n/a
SignUp(String, String)		88%		66%
setConnection(String, int)		0%		n/a
start()		0%		n/a
isWatched(String)		0%		n/a
getWatchedDs()		88%		100%
closeClient()		0%		n/a
getBundle(ResourceBundle)		0%		n/a
addToWatched(String)		96%		50%
deleteFromWatched(String)		96%		50%
searchForMovie(String, String)		100%		100%
login(String, String)		100%		100%
getWatched()		100%		100%
getAlbums()		100%		100%
getAlbum(String)		100%		n/a
addMovieToAlbum(String, String)		100%		n/a
deleteMovieFromAlbum(String, String)		100%		n/a
static { ... }		100%		n/a
getAlbumByTitle(String)		100%		n/a
deleteAlbum(String)		100%		n/a
addMovieToAlbumByTitle(String, String)		100%		n/a
createAlbum(String)		100%		n/a
deleteAlbumByTitle(String)		100%		n/a
add()		100%		n/a
getBundle()		100%		n/a
getSessionToken()		100%		n/a
Total	38 of 674	94%	3 of 19	84%

Continuous Integration



CD



CI



BSPQ18-19 / BSPQ19-E9 Build unknown

Current Branches Build History Pull Requests > Build #20 Job #20.1 More options

✓ dev Expand movie plot field → #20.1 passed

→ Commit 233bd87 🕒 Ran for 59 sec

🔍 Compare 522d677...233bd87 📅 about 2 hours ago

🔗 Branch dev

👤 Mikel Solabarrieta

🔗 Python: 3.7

Job log View config

travis.yml

```
dist: xenial
language: python

python:
  - 3.7

services:
  - mysql

before_install:
  - mysql -u root -e "CREATE USER 'mm'@'localhost' IDENTIFIED BY 'password';"
  - mysql -u root -e "CREATE USER 'mm'@'%' IDENTIFIED BY 'password';"
  - mysql -u root -e "GRANT ALL ON *.* TO 'mm'@'localhost';"
  - mysql -u root -e "GRANT ALL ON *.* TO 'mm'@'%';"
  - mysql -u root -e "CREATE DATABASE moviemanager;"

install:
  - cd server
  - pip install -r requirements.txt
  - python3 manage.py makemigrations
  - python3 manage.py migrate

script:
  - python3 manage.py test
```

17 lines (11 sloc) | 371 Bytes

Raw Blame History  

```
1 FROM python:3
2
3 WORKDIR /spq_server
4
5 # copy server files
6 COPY server/ ./
7
8 # install dependencies
9 RUN pip install --no-cache-dir -r requirements.txt
10
11 # configure connection to database
12 # REPLACE 172.18.0.1 with address of MySQL
13 RUN sed -i -e 's/"HOST": "127.0.0.1"/"HOST": "172.18.0.1"/g' ./spq_server/settings.py
14
15 # entrypoint
16 CMD [ "python", "manage.py", "runserver" ]
```

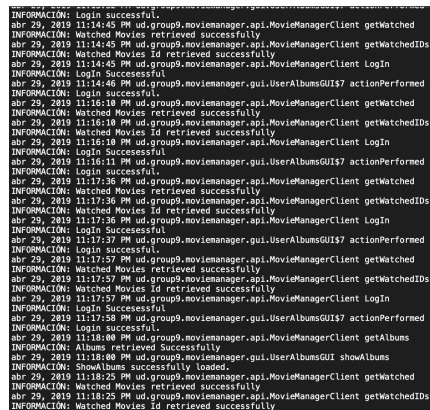
Doxygen and LOG4j. GitHub Pages.

Doxygen:

- Client/Server documentation
- HTML automated documentation generate
- GitHub Pages implementation

LOG4j

- LOG4j for loggers
- Console and file output



```
abr 29, 2019 11:14:45 PM ud.group9.moviemanager.api.MovieManagerClient getMatched
INFORMATION: Login successful.
abr 29, 2019 11:14:45 PM ud.group9.moviemanager.api.MovieManagerClient getMatched
INFORMATION: Watched Movies retrieved successfully
abr 29, 2019 11:14:45 PM ud.group9.moviemanager.api.MovieManagerClient getMatchedIDs
INFORMATION: Watched Movies Id retrieved successfully
abr 29, 2019 11:14:45 PM ud.group9.moviemanager.api.MovieManagerClient Login
INFORMATION: Login Successful
abr 29, 2019 11:14:46 PM ud.group9.moviemanager.gui.UserAlbumsGUI$7 actionPerformed
INFORMATION: Login successful.
abr 29, 2019 11:16:10 PM ud.group9.moviemanager.api.MovieManagerClient getMatched
INFORMATION: Watched Movies retrieved successfully
abr 29, 2019 11:16:10 PM ud.group9.moviemanager.api.MovieManagerClient getMatchedIDs
INFORMATION: Watched Movies Id retrieved successfully
abr 29, 2019 11:16:10 PM ud.group9.moviemanager.api.MovieManagerClient Login
INFORMATION: Login Successful
abr 29, 2019 11:16:11 PM ud.group9.moviemanager.gui.UserAlbumsGUI$7 actionPerformed
INFORMATION: Login successful.
abr 29, 2019 11:17:36 PM ud.group9.moviemanager.api.MovieManagerClient getMatched
INFORMATION: Watched Movies retrieved successfully
abr 29, 2019 11:17:36 PM ud.group9.moviemanager.api.MovieManagerClient getMatchedIDs
INFORMATION: Watched Movies Id retrieved successfully
abr 29, 2019 11:17:36 PM ud.group9.moviemanager.api.MovieManagerClient Login
INFORMATION: Login Successful
abr 29, 2019 11:17:37 PM ud.group9.moviemanager.gui.UserAlbumsGUI$7 actionPerformed
INFORMATION: Login successful.
abr 29, 2019 11:17:57 PM ud.group9.moviemanager.api.MovieManagerClient getMatched
INFORMATION: Watched Movies retrieved successfully
abr 29, 2019 11:17:57 PM ud.group9.moviemanager.api.MovieManagerClient getMatchedIDs
INFORMATION: Watched Movies Id retrieved successfully
abr 29, 2019 11:17:57 PM ud.group9.moviemanager.api.MovieManagerClient Login
INFORMATION: Login Successful
abr 29, 2019 11:17:58 PM ud.group9.moviemanager.gui.UserAlbumsGUI$7 actionPerformed
INFORMATION: Login successful.
abr 29, 2019 11:18:00 PM ud.group9.moviemanager.api.MovieManagerClient getAlbums
INFORMATION: Albums retrieved Successfully
abr 29, 2019 11:18:00 PM ud.group9.moviemanager.gui.UserAlbumsGUI showAlbums
INFORMATION: ShowAlbums successfully loaded.
abr 29, 2019 11:18:25 PM ud.group9.moviemanager.api.MovieManagerClient getMatched
INFORMATION: Watched Movies retrieved successfully
abr 29, 2019 11:18:25 PM ud.group9.moviemanager.api.MovieManagerClient getMatchedIDs
INFORMATION: Watched Movies Id retrieved successfully
```


Events and Difficulties

- Merge problems.
- Task distribution.
- GUI design.
- Window organization and connections between them.
- Loggers on native instead on log4j.
- Versions.
- Tools for java instead python.



