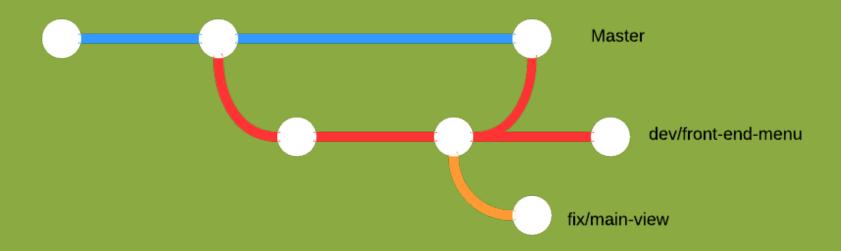
Objetivos

- Aprender buenas practicas de Git.
- Crear un ambiente de trabajo exitoso en equipo.
- Mitigar, identificar y solucionar problemas que surjan en estos ambientes.

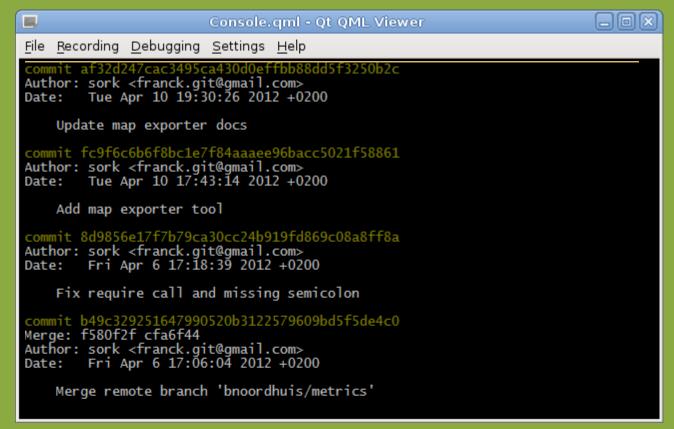
Master es intocable*



Haz Commit regularmente

- Hacer commit por cambios, no por tiempo.
- Escribir un comentario relevante (short summary)

Dale cariño a git log



Dale cariño a git log

```
Ε,
                          Console.gml - Qt QML Viewer
File Recording Debugging Settings Help
             (HEAD, origin/master, origin/HEAD, master) Update map exporter docs

    Add map exporter tool (2 years ago) <sork>

           - Fix require call and missing semicolon (2 years, 1 month ago) <sork
             - Merge remote branch 'bnoordhuis/metrics' (2 years, 1 month ago) <
             - doc: server metrics require the memcache module (2 years, 1 month - server: lazy-load memcache module (2 years, 1 month ago) <Ben Noor
                - Merge remote branch 'mkrecny/deps' (2 years, 1 month ago) <sork;
               - removed main, and /static dir in this branch (2 years, 1 month
               - proper formatting in package.json (2 years, 1 month ago) <mkrecr
                  - Merge branch 'dependencies' (2 years, 1 month ago) <mkrecny>
                  - more documentation (2 years, 1 month ago) <mkrecny>
                  - added static file server in /static via express (2 years, 1 m
                  - metrics.isReady is undefined if metrics are not enabled (2 ye

    updated docs to reflect package.json deps install (2 years, 1 mg
    added package.json for dependencies (2 years, 1 month ago) <mkre</li>

             - Add sound files (2 years, 1 month ago) <sork>
             - Update license and readme (2 years, 1 month ago) <sork>
             - Add licensing information (2 years, 1 month ago) <sork>
             Add longer requirejs timeout duration (2 years, 1 month ago) <sork>
```

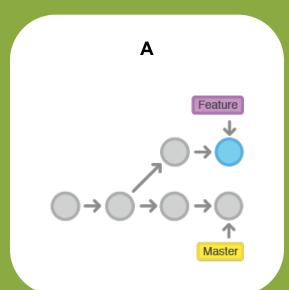
.gitignore

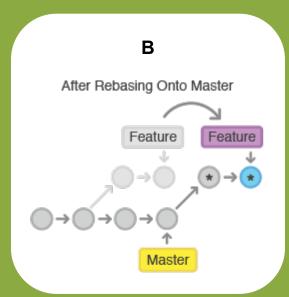
- Claves e información sensitiva.
- Archivos auto-generados y de usuarios.
- Compontentes externos

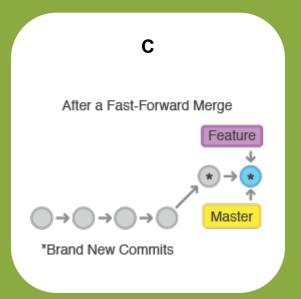
Prohibido usar rebase, squash, -- amend

- Desordena los commits
- Se pierde el sentido de progresión
- Afecta el uso de herramientas como git bisect

Rebase





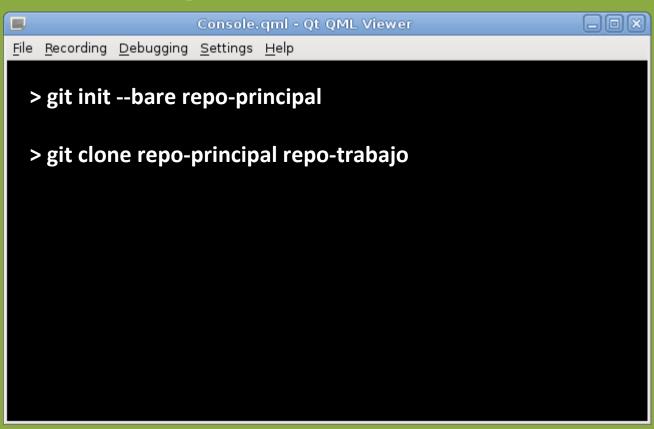


Trabajando en Equipo

Repositorio centralizado



Repositorio local



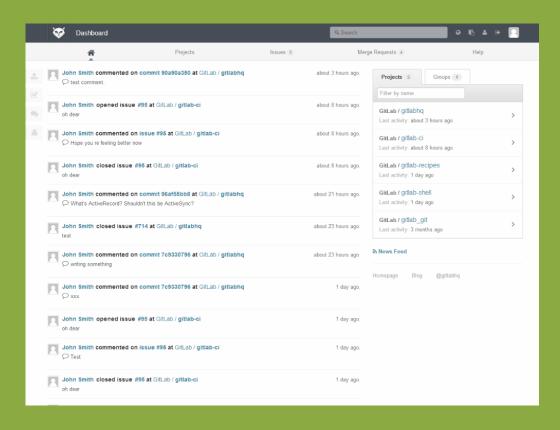
Repositorios Remotos







Interface Web





Workflows

Git Flow



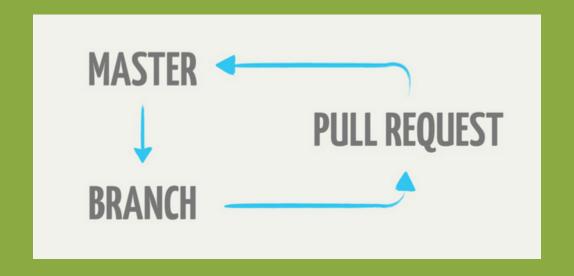
Github Flow



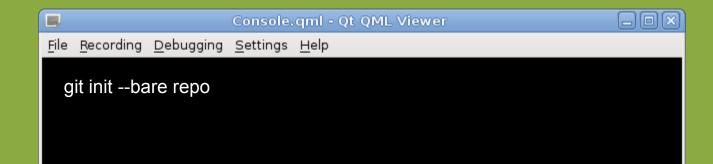
Git Flow



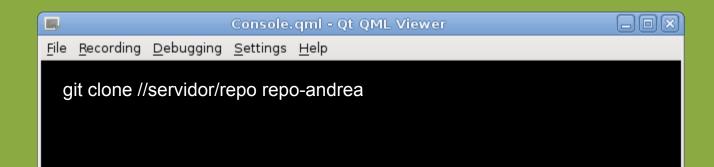
Github flow





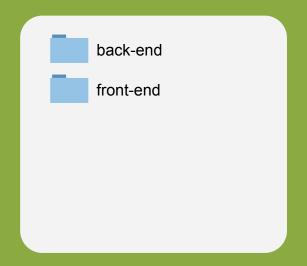


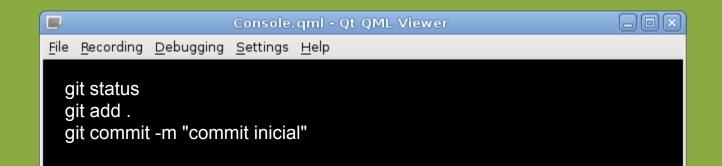


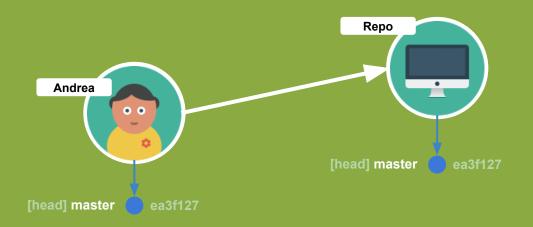


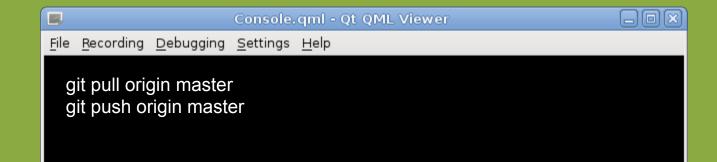


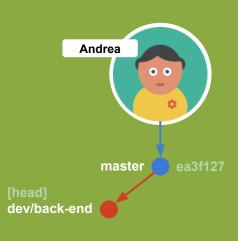




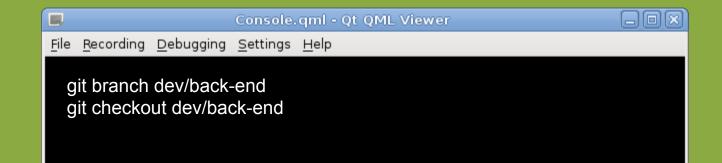


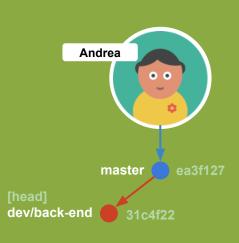




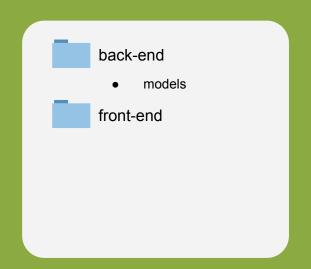


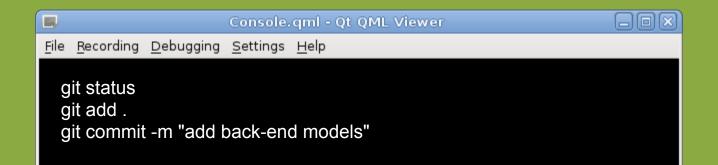






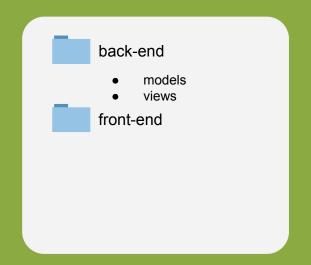


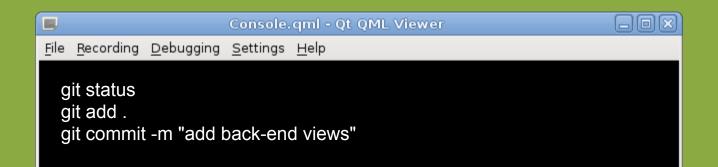






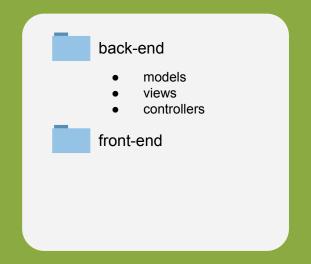


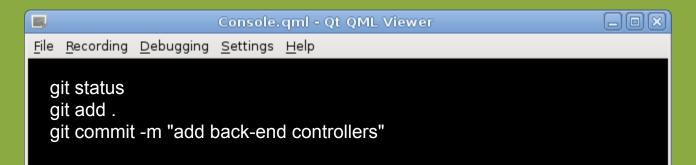






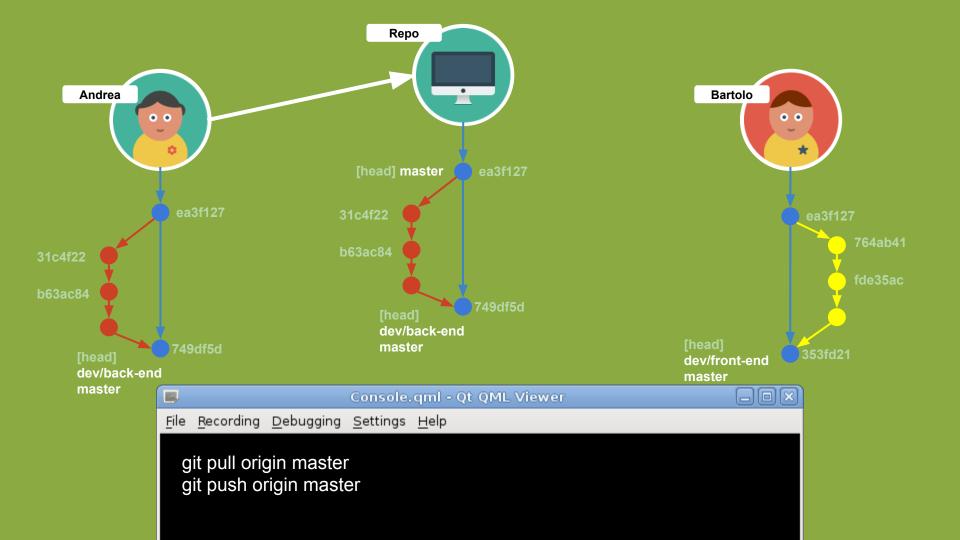




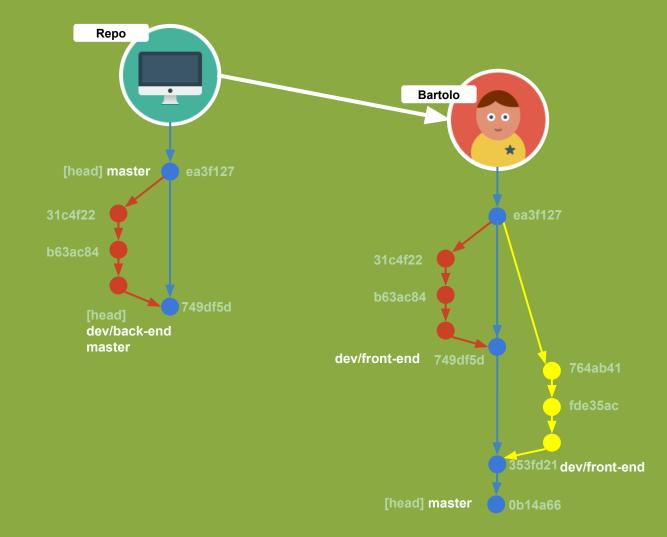










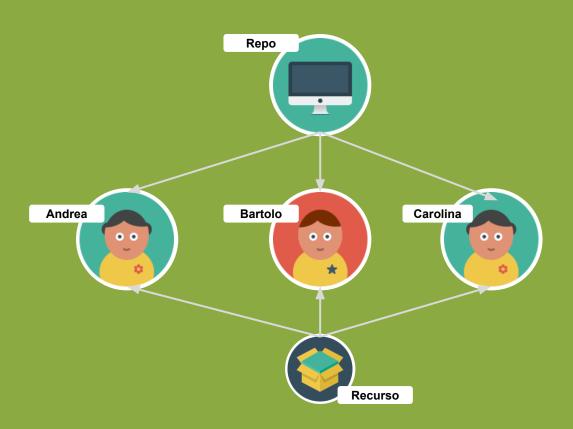


Resolución de Conflictos

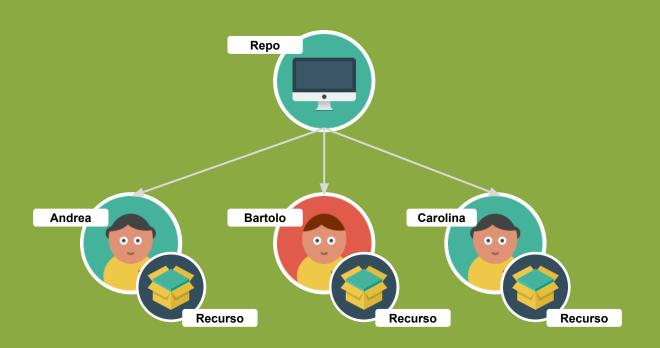
Problemas con Recursos Compartidos

Bases de Datos y Archivos

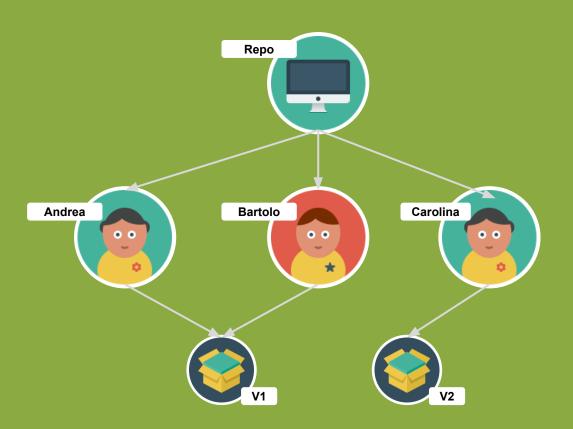
Recurso Centralizado



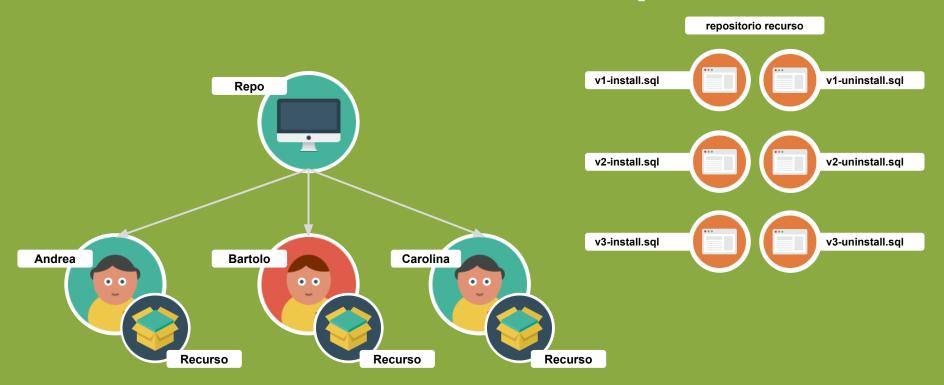
Recurso Descentralizado



Recurso Versionado



Recurso Versionado por Git



Merge Conflict

```
<!DOCTYPE html>
     <html>
         <head>
             <title></title>
10
11
             <!-- JS -->
12
13
         </head>
14
15
         <body>
16
17
18
19
         </body>
20
     </html>
21
```

```
<!DOCTYPE html>
    <html>
            <title></title>
                    body {
                        color: #999;
11
                </style>
12
15
                <script type="text/javascript">
                    document.write('---');
17
                </script>
19
        </head>
21
22
23
24
       </body>
    </html>
```

```
<!DOCTYPE html>
    <html>
        <head>
            <title></title>
11
12
13
        </head>
14
15
        <body>
                 <div id="wrapper">
                    <h1>This is the HTML</h1>
19
                    Thanks for your patronage
21
22
                </div>
23
24
        </body>
     </html>
25
```

```
<!DOCTYPE html>
    <html>
        <head>
            <title></title>
                    body {
                        color: #999;
11
12
                </style>
                <script type="text/javascript">
                    document.write('---');
17
                </script>
        </head>
21
                <div id="wrapper">
                    <h1>This is the HTML</h1>
                    Thanks for your patronage
                </div>
        </body>
    </html>
```

```
<head>
     <<<<<< HEAD
             <title>This is the title of my project</title>
             <title>This is just the title</title>
     >>>>>> dev/content
10
             <!-- CSS -->
11
                 <style>
12
                     body {
13
14
                         color: #999;
15
                 </style>
16
             <!-- /CSS -->
17
18
19
                 <script type="text/javascript">
20
                     document.write('---');
21
22
                 </script>
            <!-- /JS -->
23
24
         </head>
```

Como evitar Merge Conflicts

- Evitar trabajar en el mismo archivo
- Separar concernimientos
- En caso de que sea necesario trabajar en el mismo archivo coloquen placeholders (evitar)

kdiff3

