

The Four Areas: git reset



Paolo Perrotta

FREELANCE DEVELOPER

@nusco



Why is `reset` Confusing?

To understand `reset`, you need to understand the three main Areas *and* Git's branches.

`reset` does different things in different contexts.

Commands That Move Branches

commit

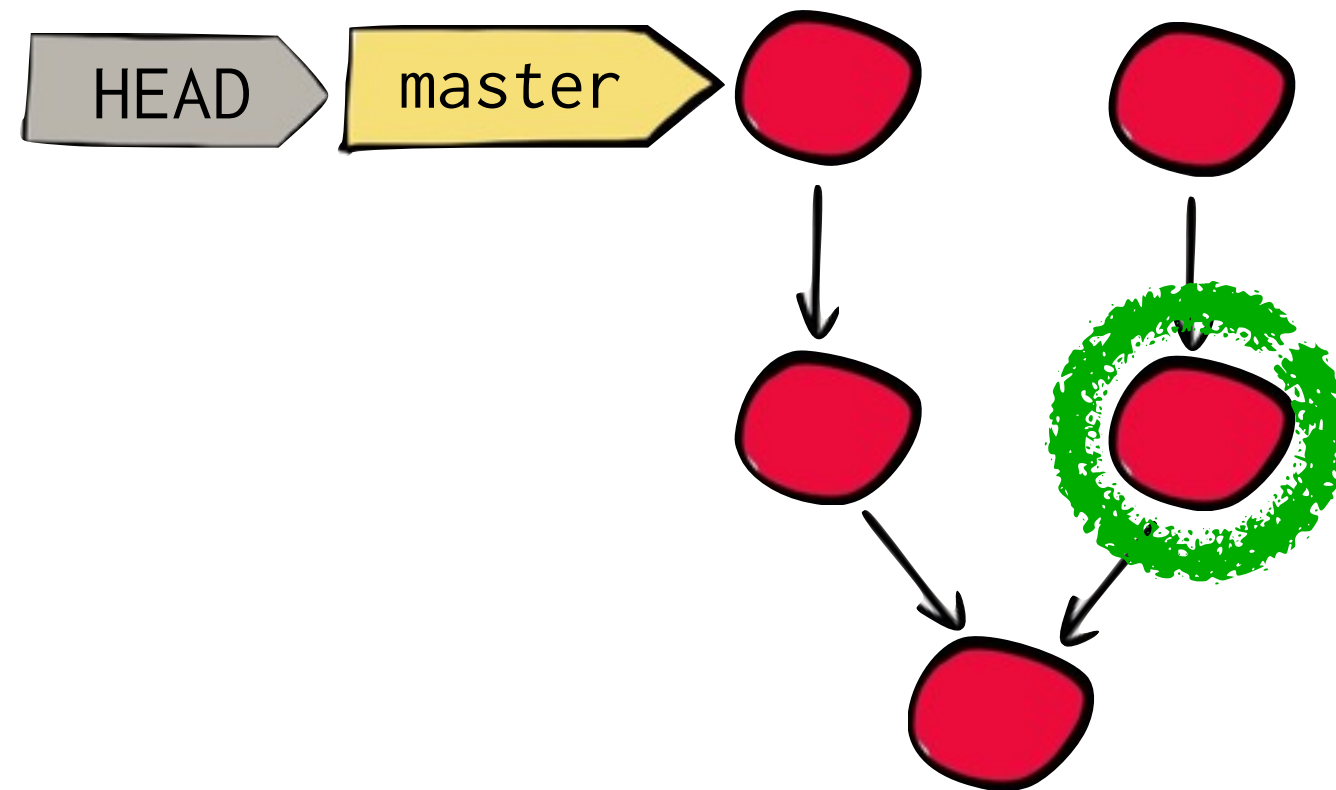
merge

rebase

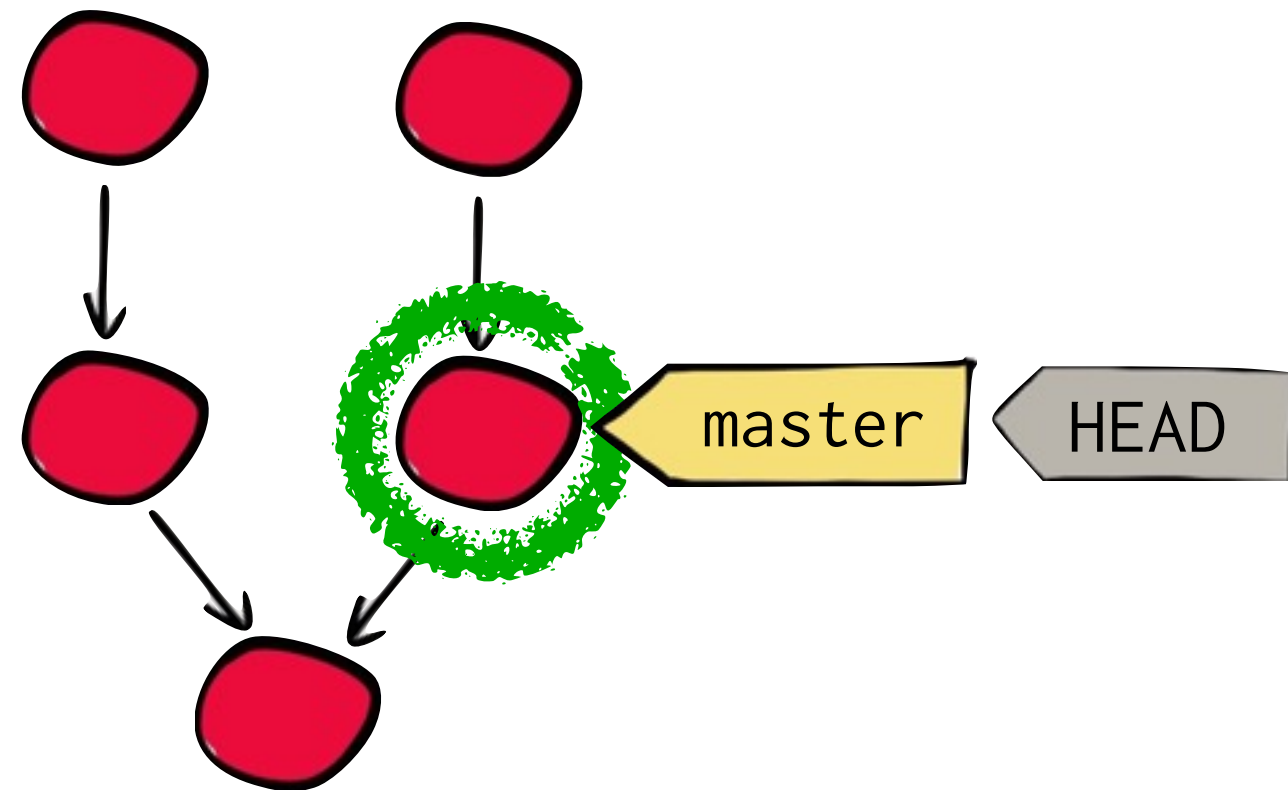
pull

...

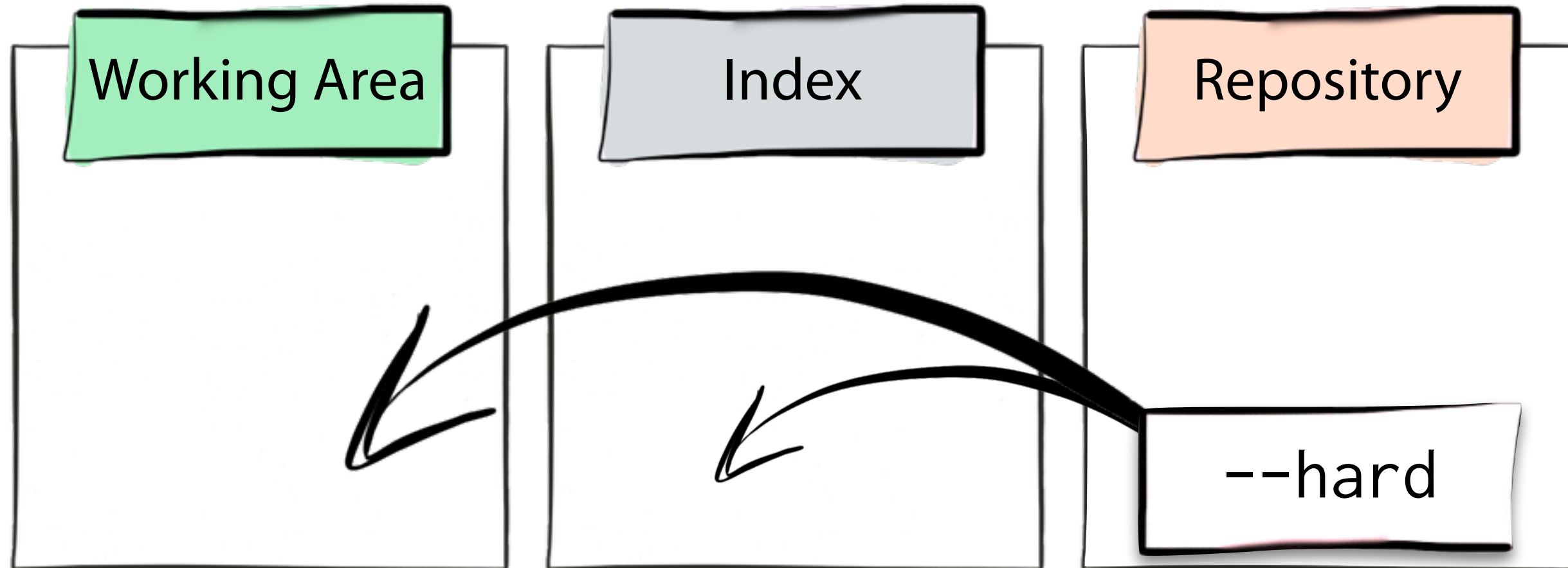
Step One: Moving a Branch



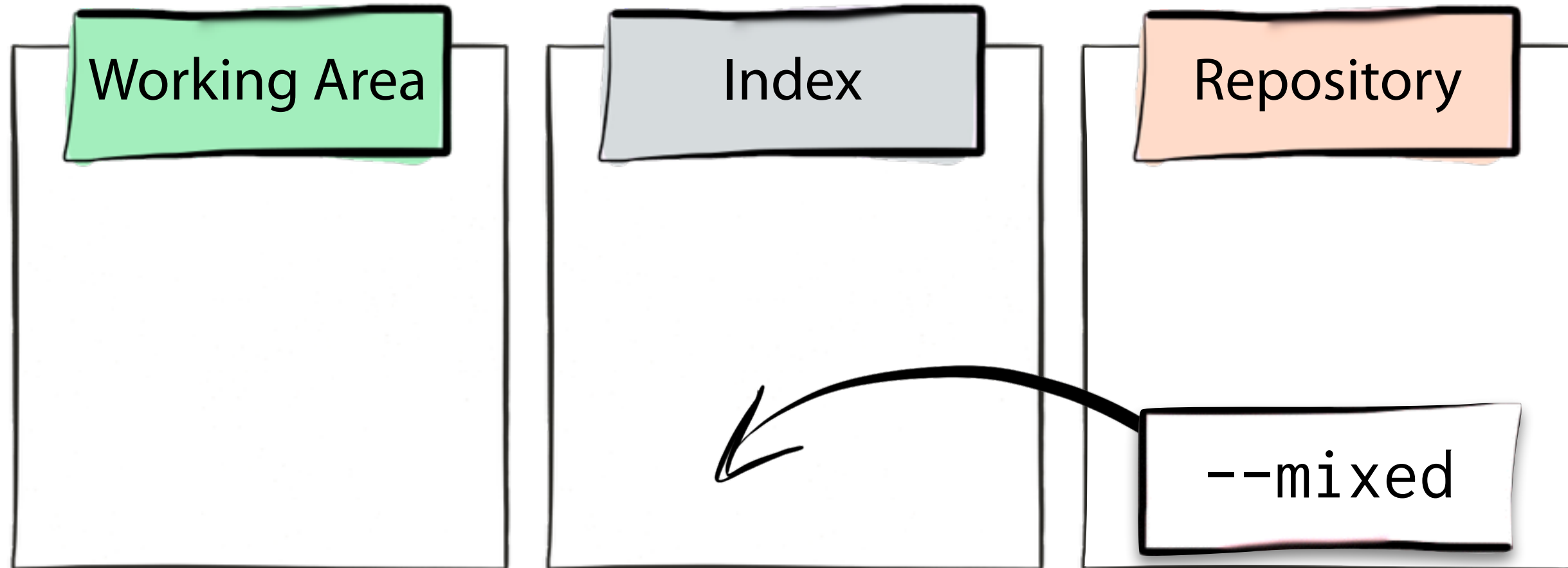
Step One: Moving a Branch



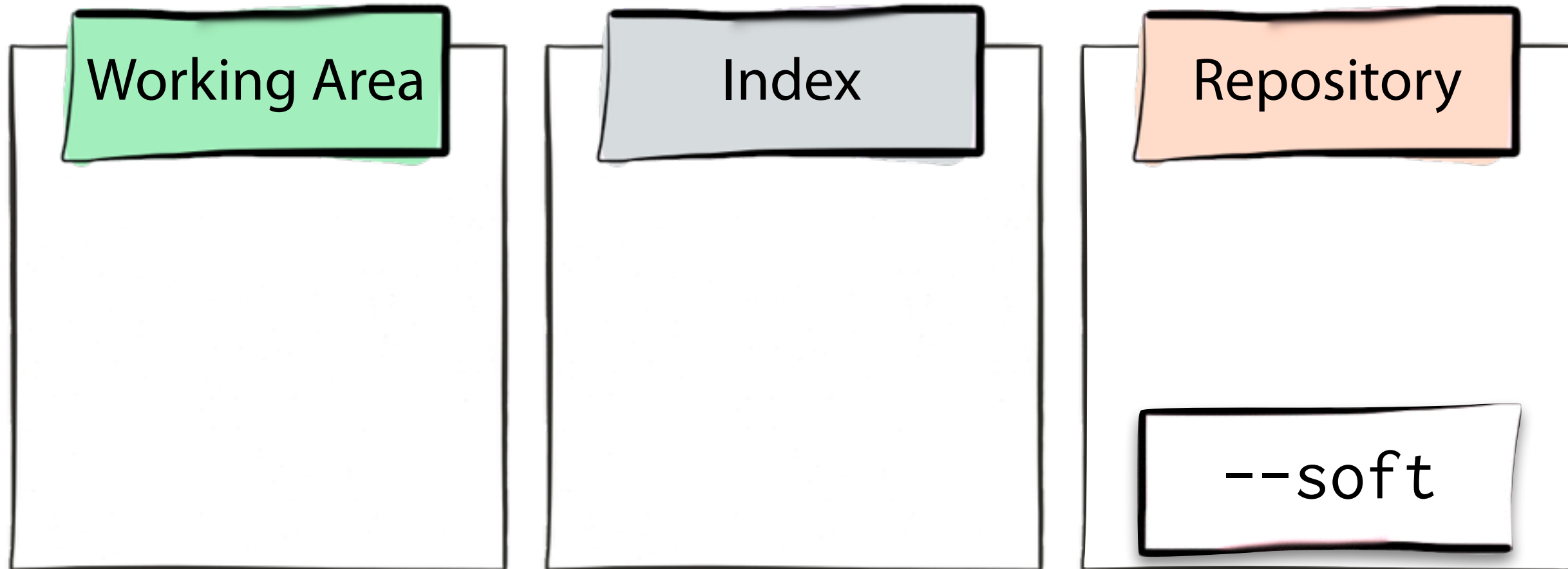
Step Two: Moving Data Across the Areas



Step Two: Moving Data Across the Areas



Step Two: Moving Data Across the Areas



`reset` moves the current branch,
and optionally copies data from
the Repository to the other areas.

Working Area

- menu.txt
- recipes

Index

- menu.txt
- recipes

Repository

- menu.txt
- recipes

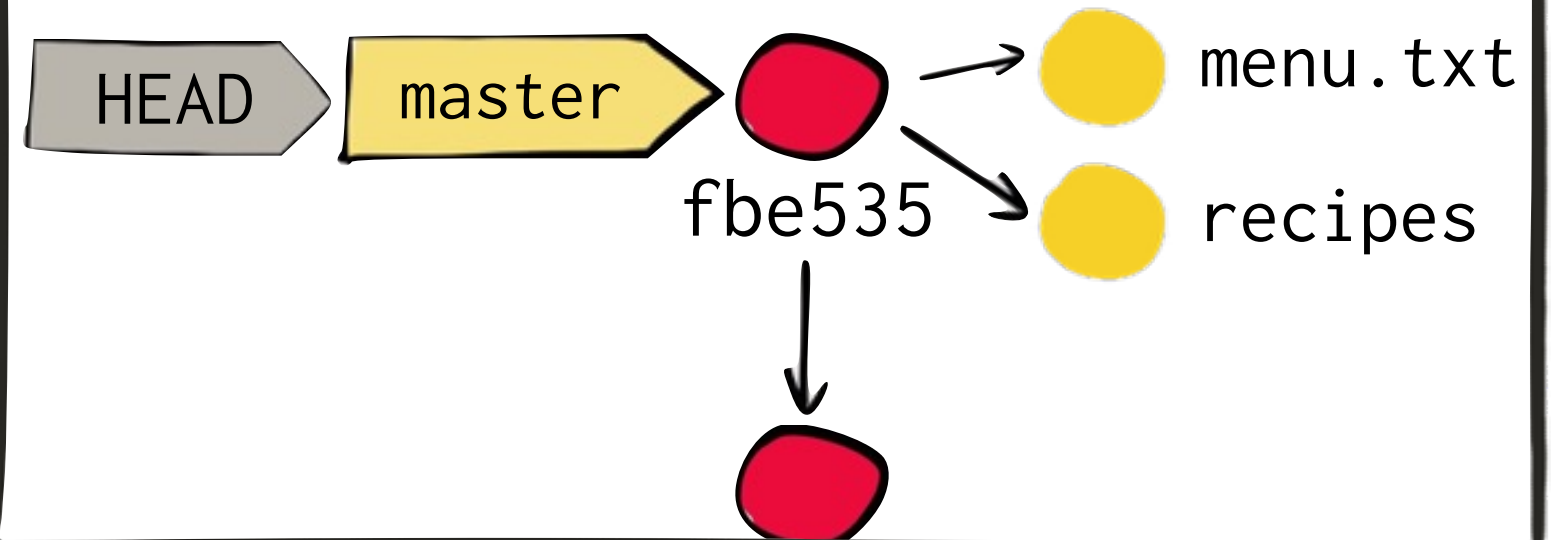
Working Area

- menu.txt
- recipes

Index

- menu.txt
- recipes

Repository



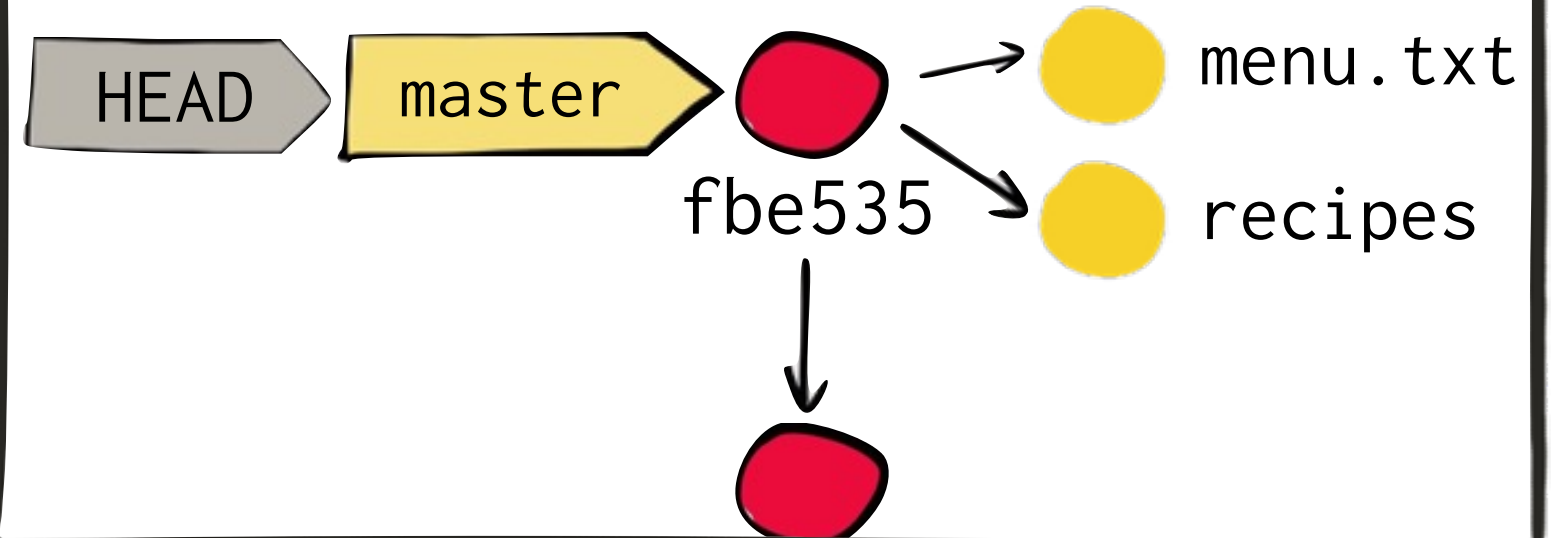
Working Area



Index



Repository



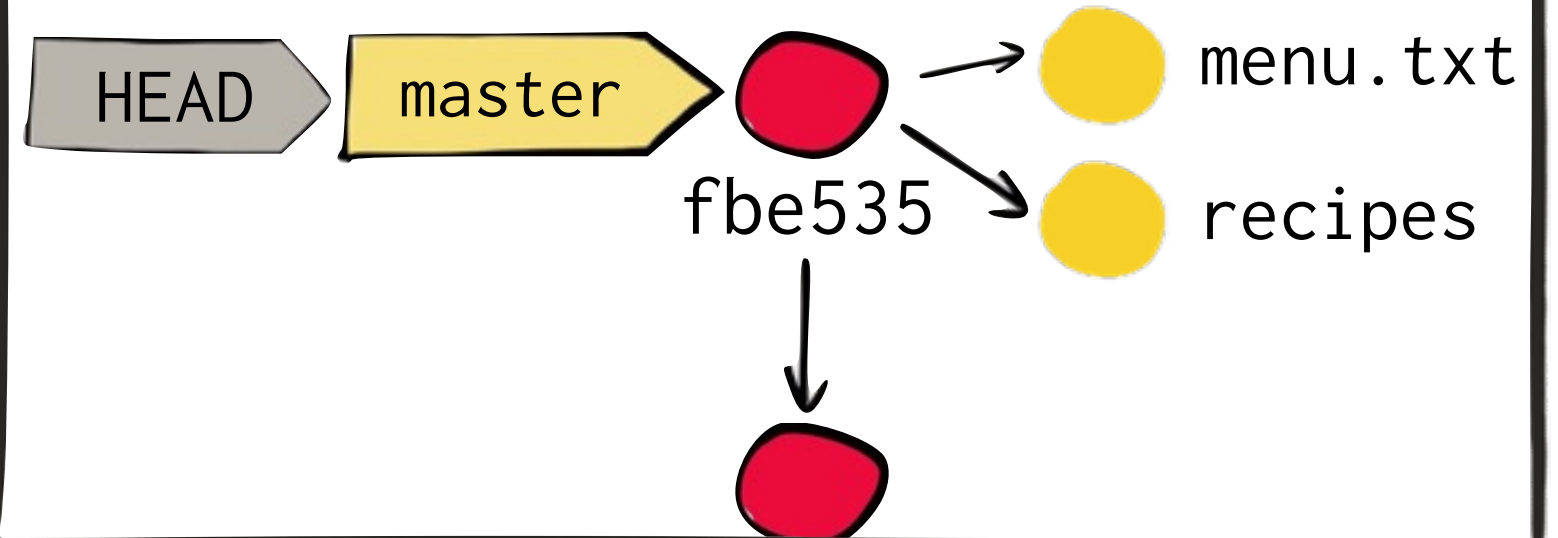
Working Area



Index



Repository



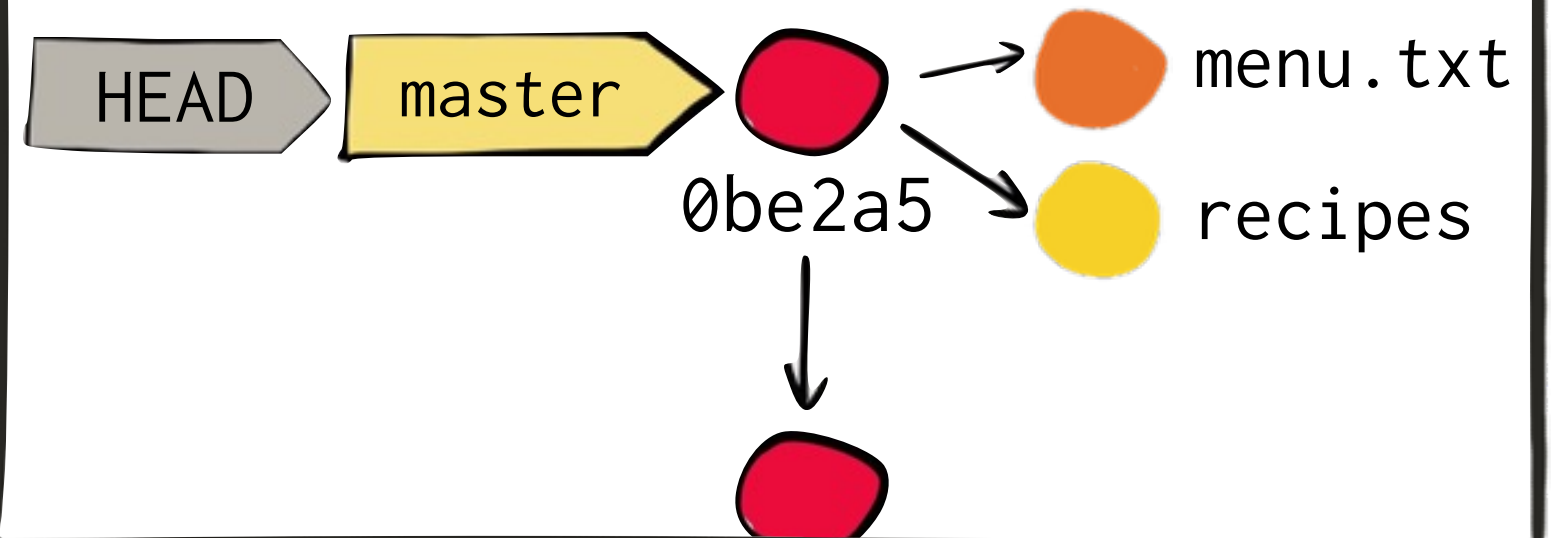
Working Area



Index



Repository



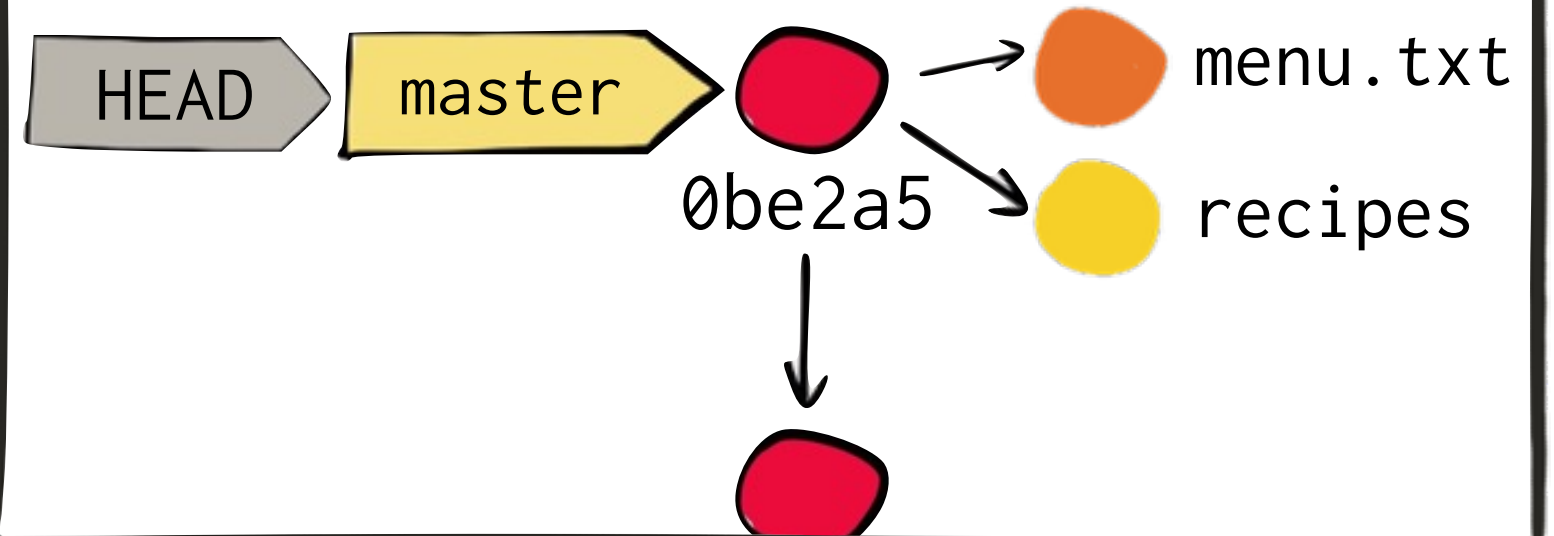
Working Area

 menu.txt
 recipes

Index

 menu.txt
 recipes

Repository



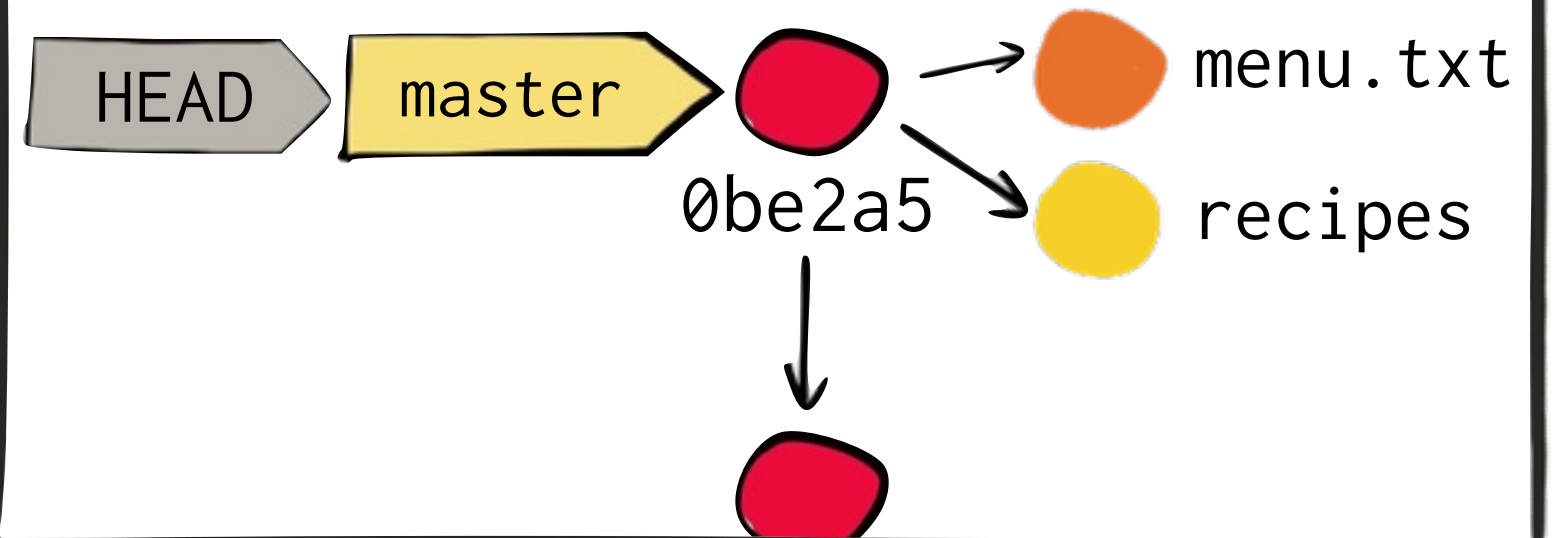
Working Area

 menu.txt
 recipes

Index

 menu.txt
 recipes

Repository



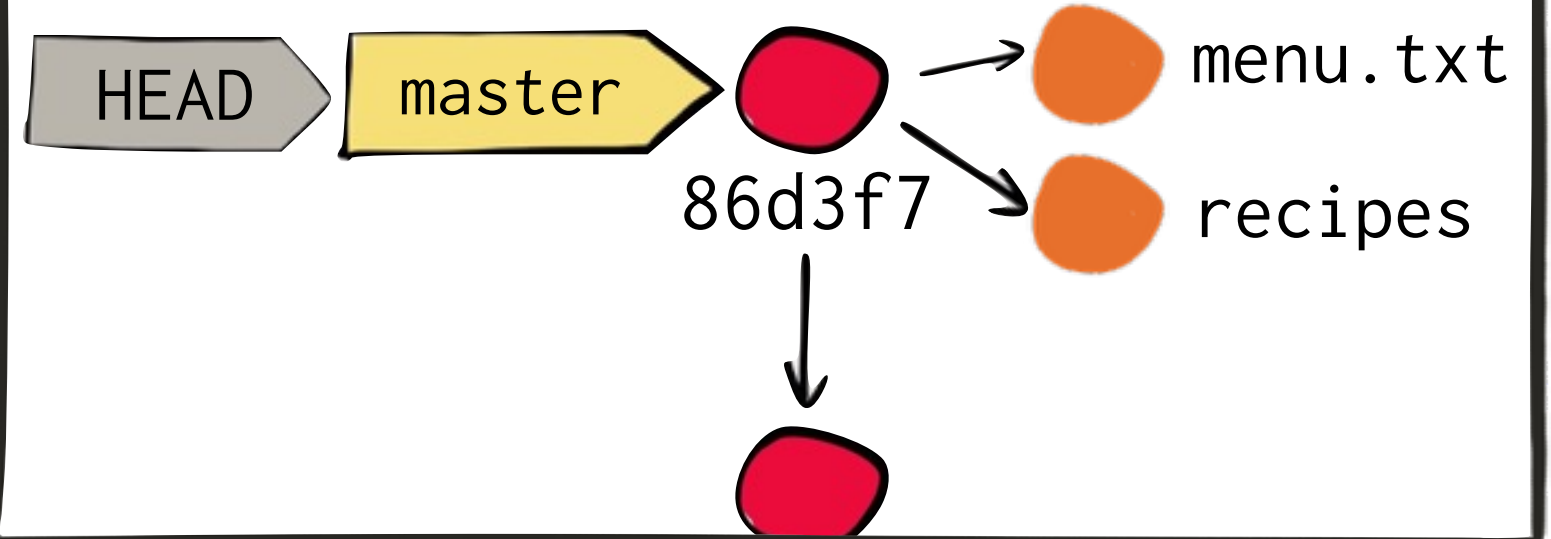
Working Area

menu.txt
recipes

Index

menu.txt
recipes

Repository



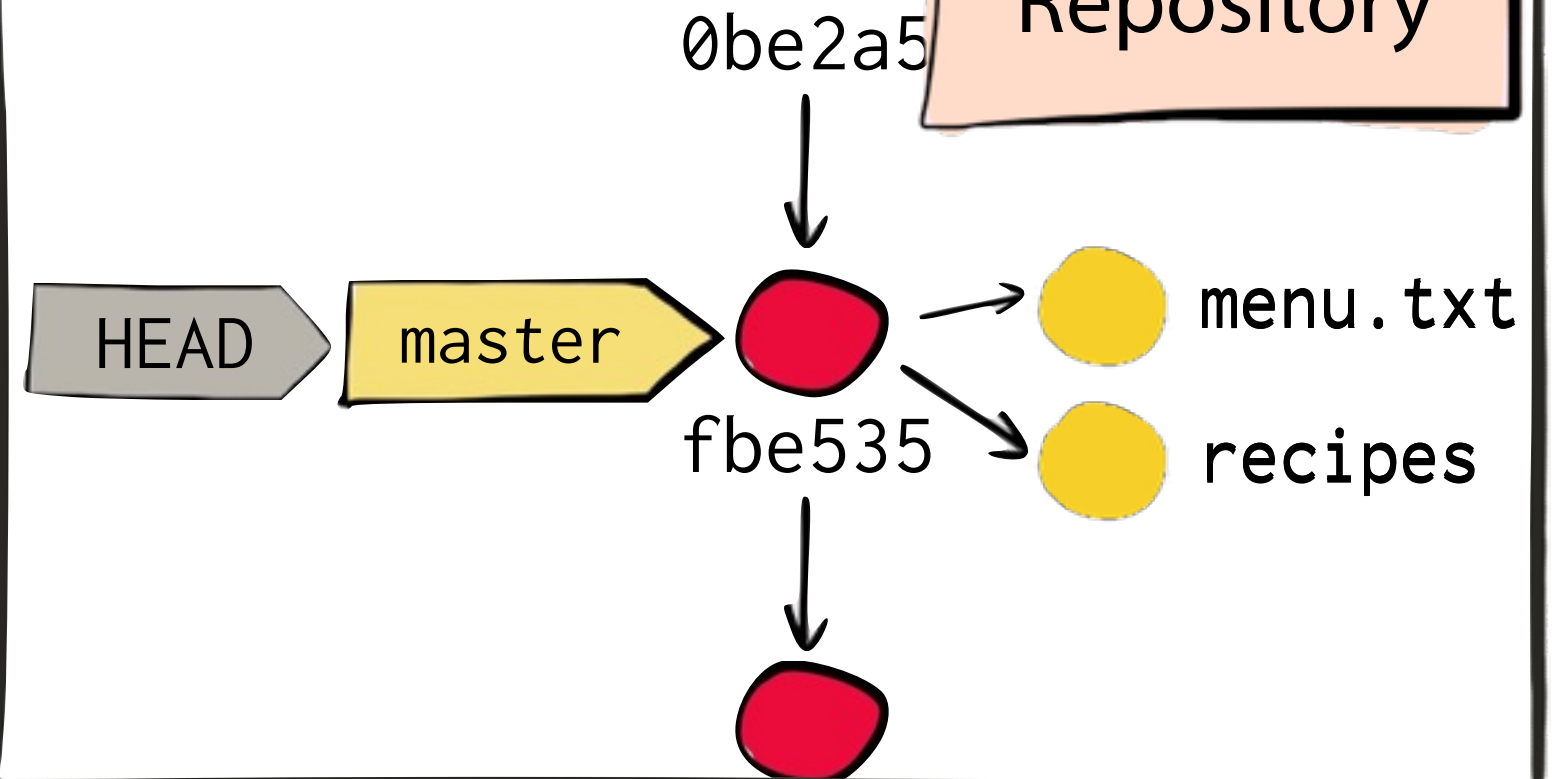
Working Area

menu.txt
recipes

Index

menu.txt
recipes

Repository



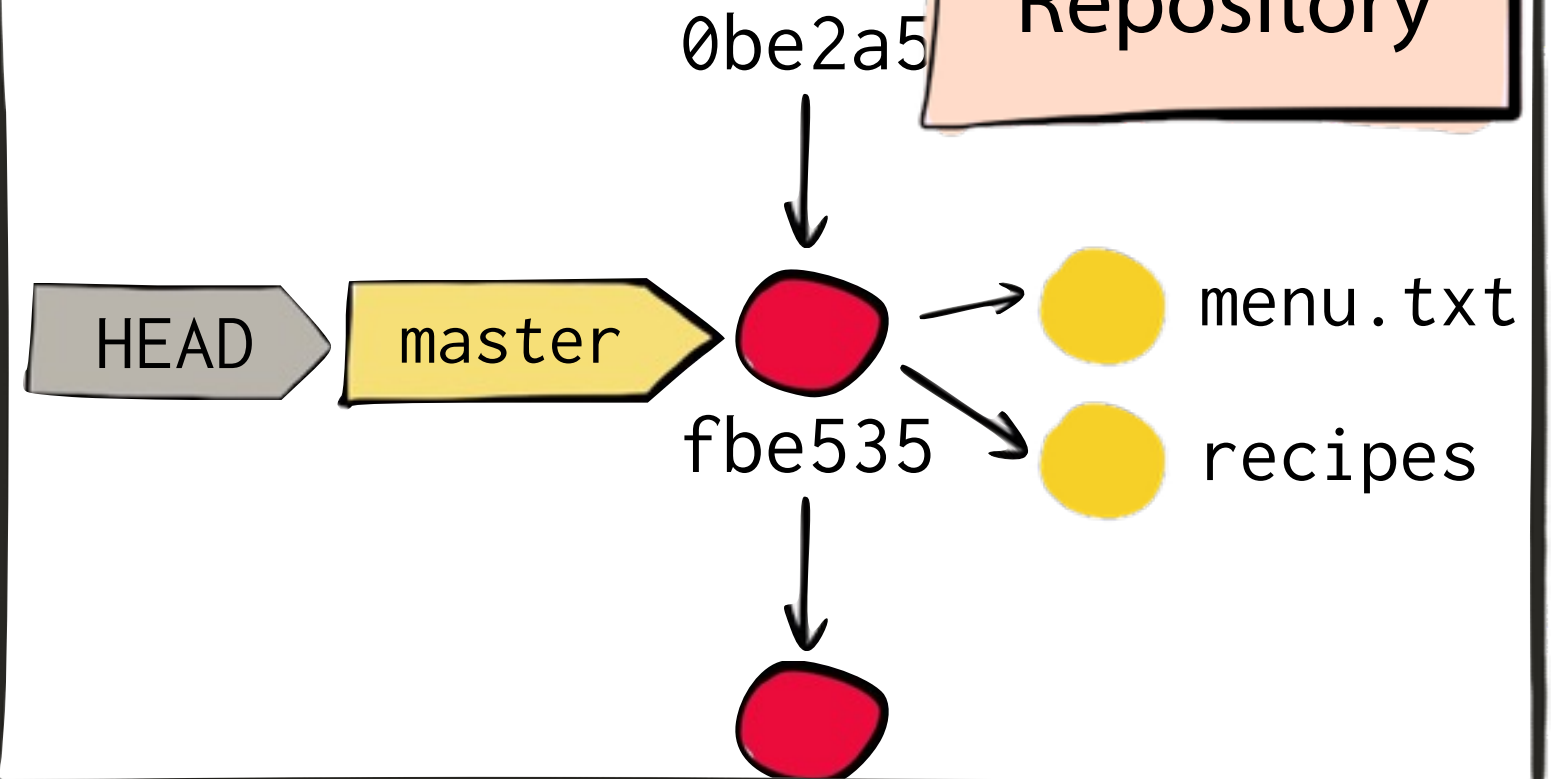
Working Area

- menu.txt
- recipes

Index

- menu.txt
- recipes

Repository



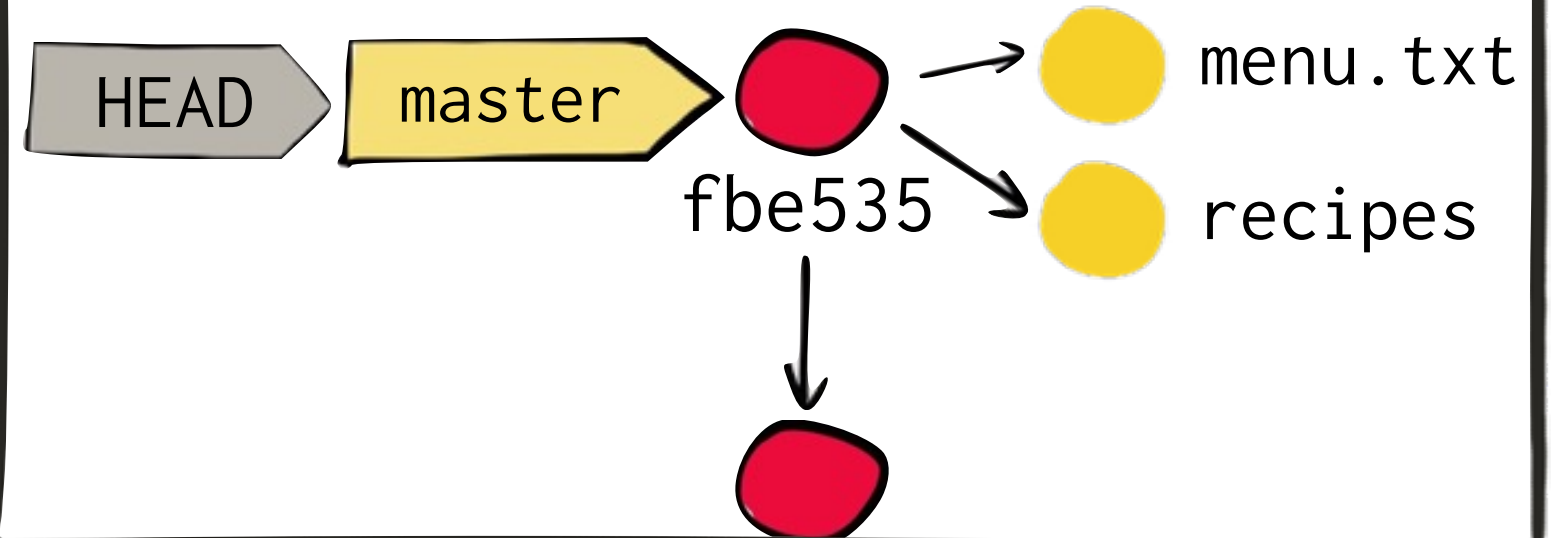
Working Area

- menu.txt
- recipes

Index

- menu.txt
- recipes

Repository



Working Area

- menu.txt
- recipes

Index

- menu.txt
- recipes

Repository

- menu.txt
- recipes

Working Area

Index

Repository

Working Area

 menu.txt


Index

 menu.txt


Repository

 menu.txt

Working Area

 menu.txt


Index

 menu.txt

Repository

 menu.txt

Working Area

 menu.txt

Index

 menu.txt

Repository

 menu.txt

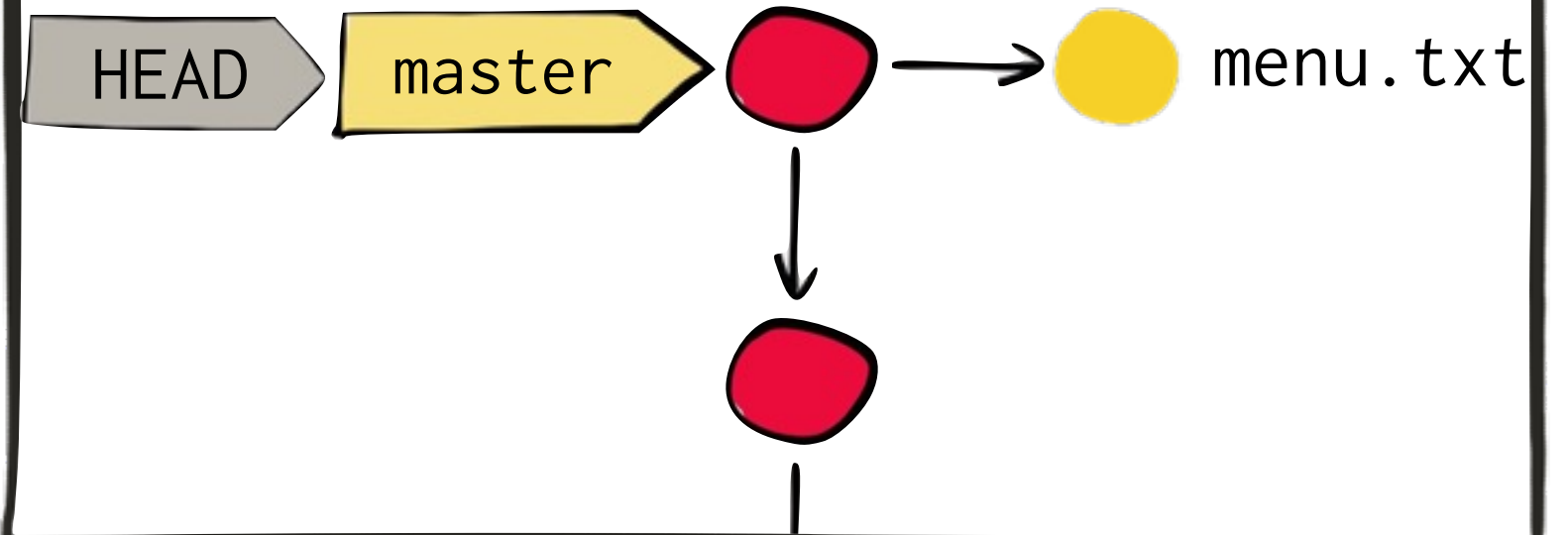
Working Area

 menu.txt

Index

 menu.txt

Repository



Working Area

 menu.txt


Index

 menu.txt

Repository

 menu.txt

Working Area

 menu.txt

Index

 menu.txt

Repository

 menu.txt

Working Area

 menu.txt

Index

 menu.txt

Repository

 menu.txt