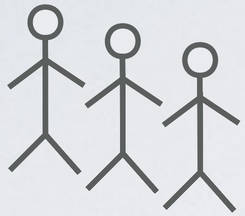
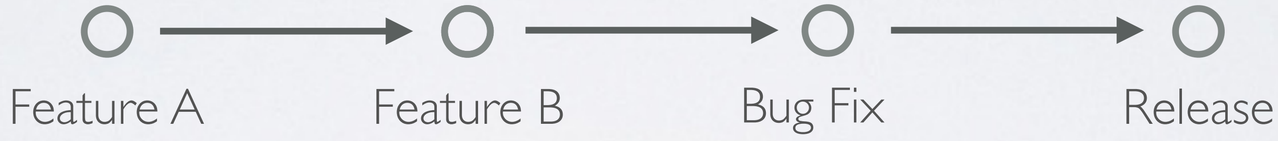
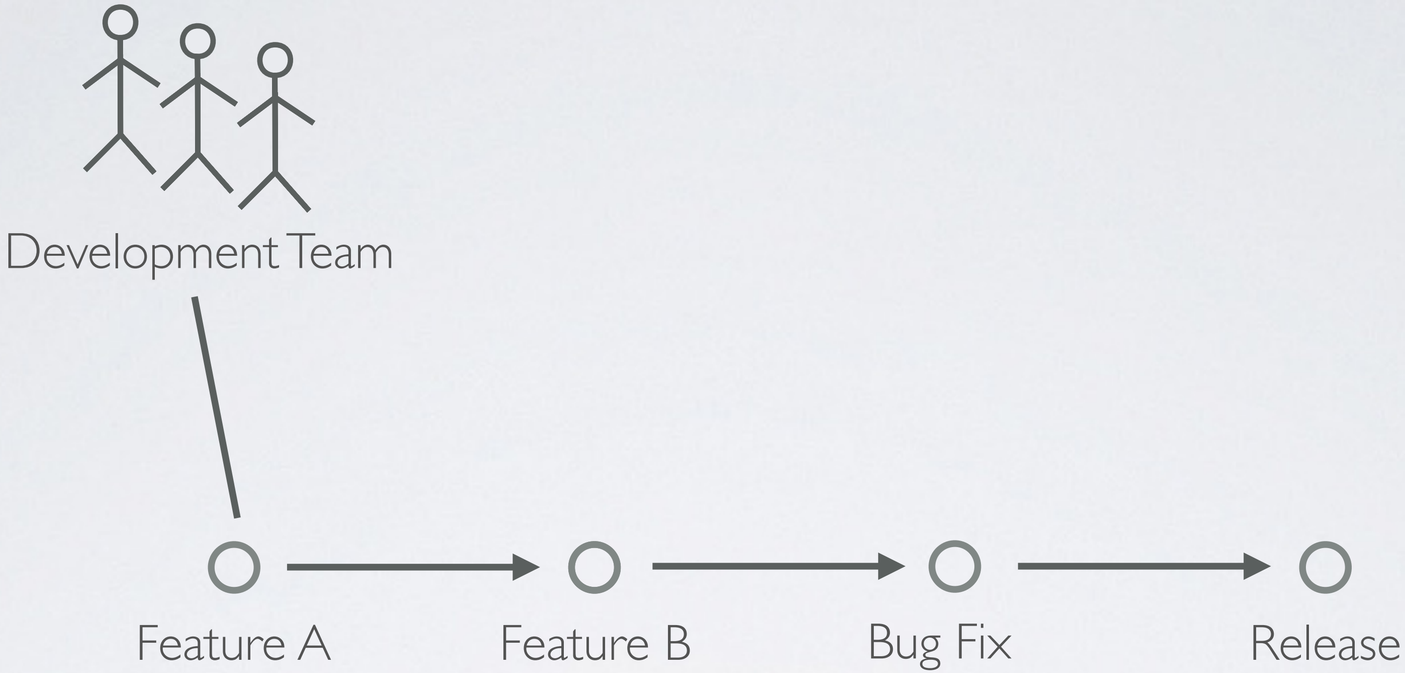
Parallel Development and Feature Branches

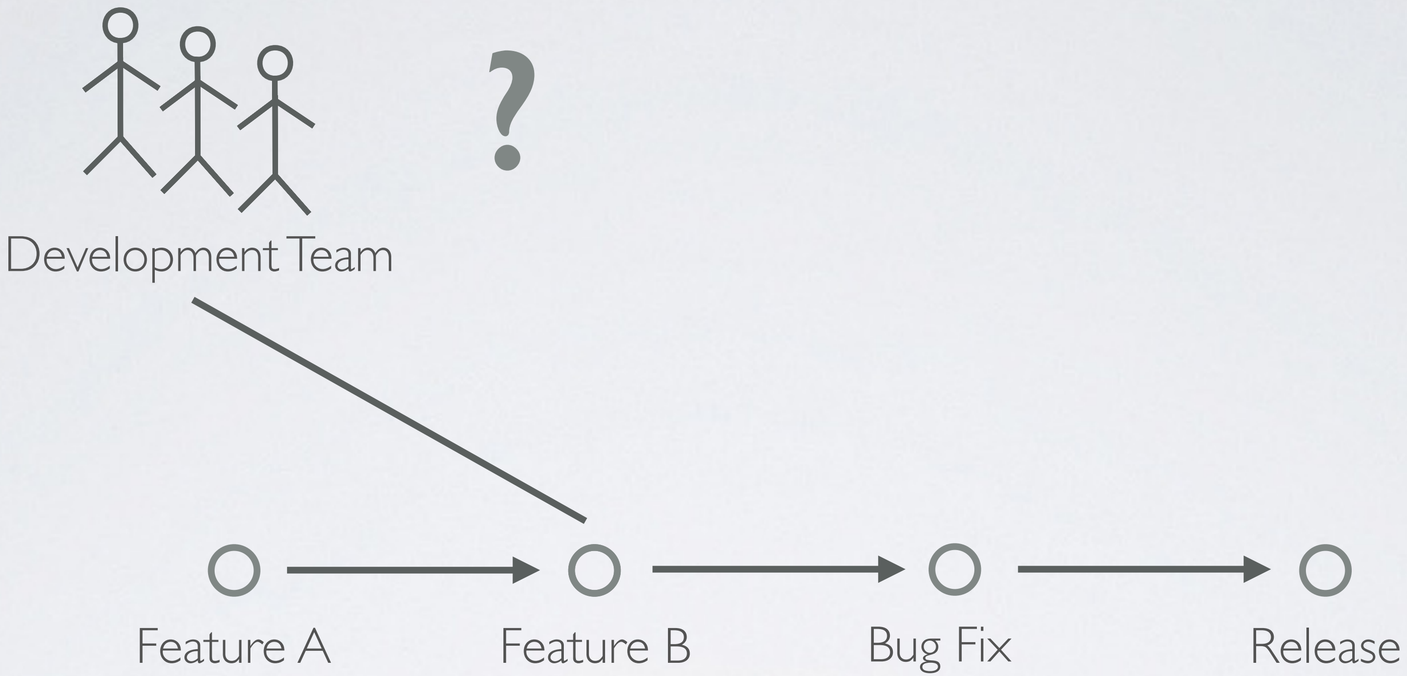
Tilman Potthof //SEIBERT/MEDIA



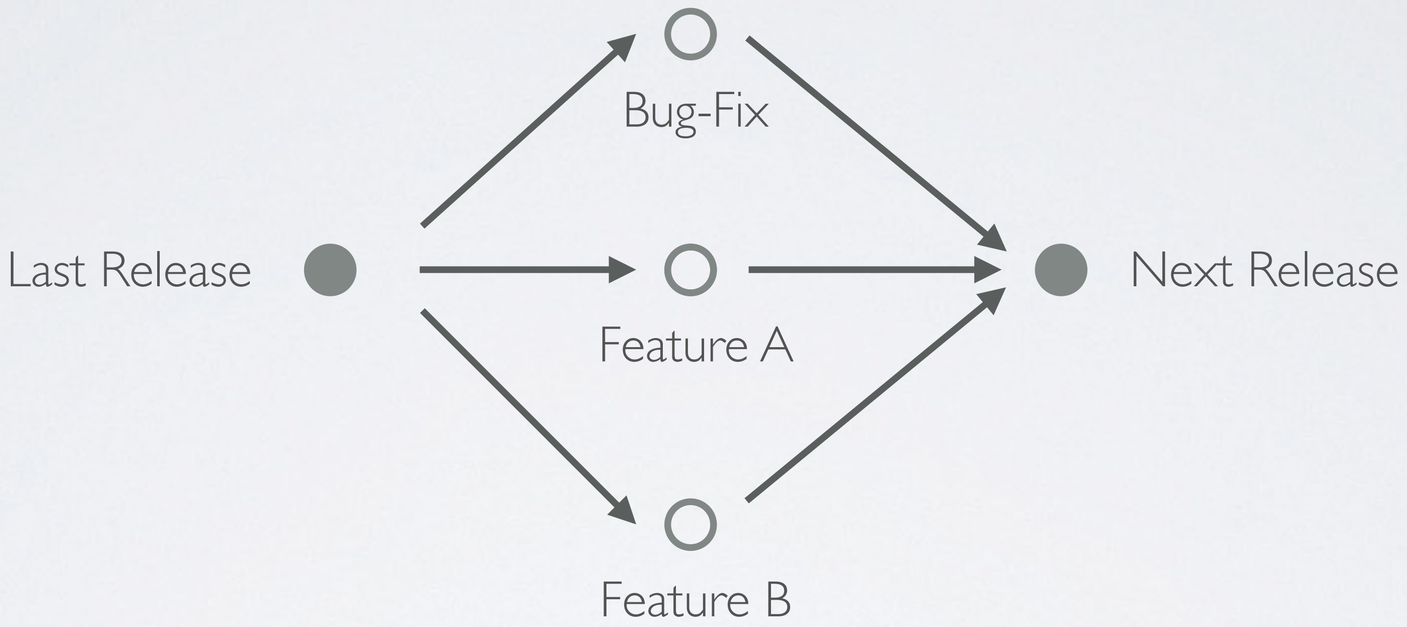
Development Team

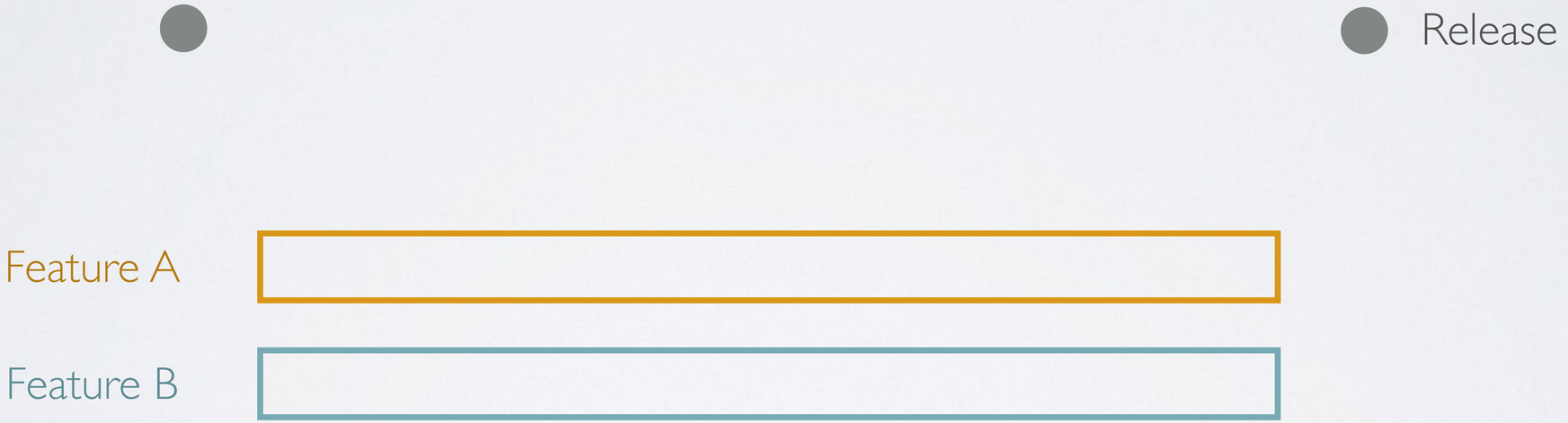


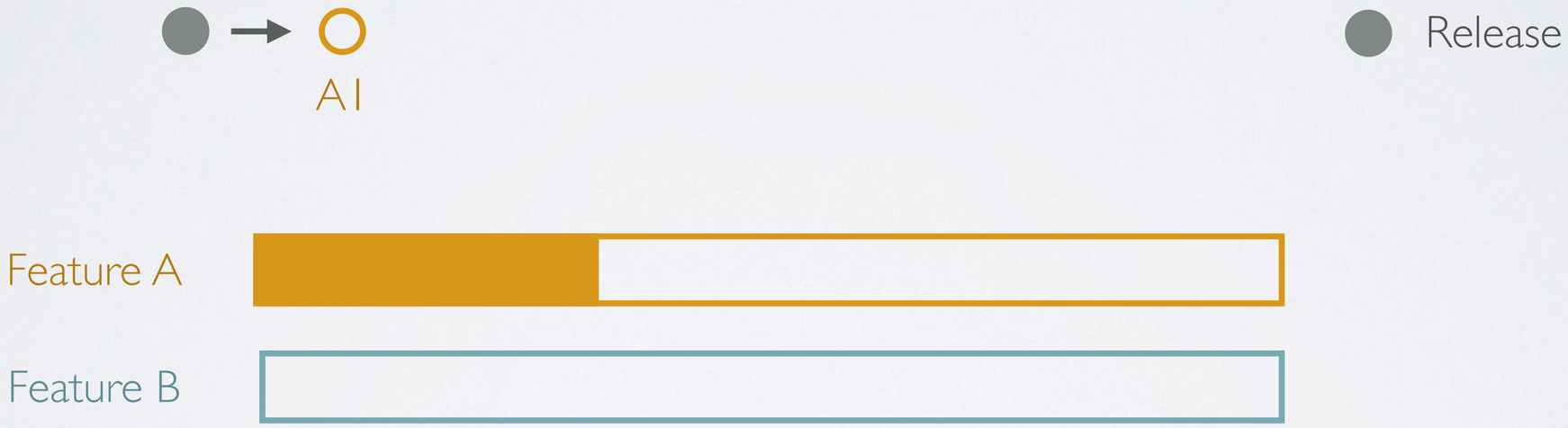

Development Team
Feature A
Feature B
Bug Fix
Release

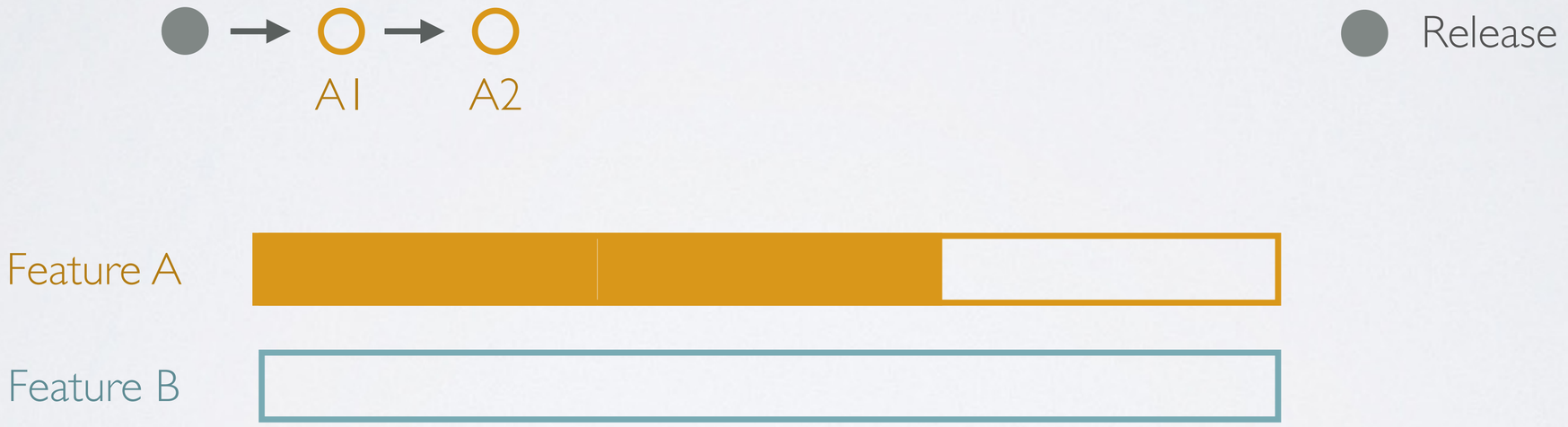

Development Team
?
Feature A
Feature B
Bug Fix
Release

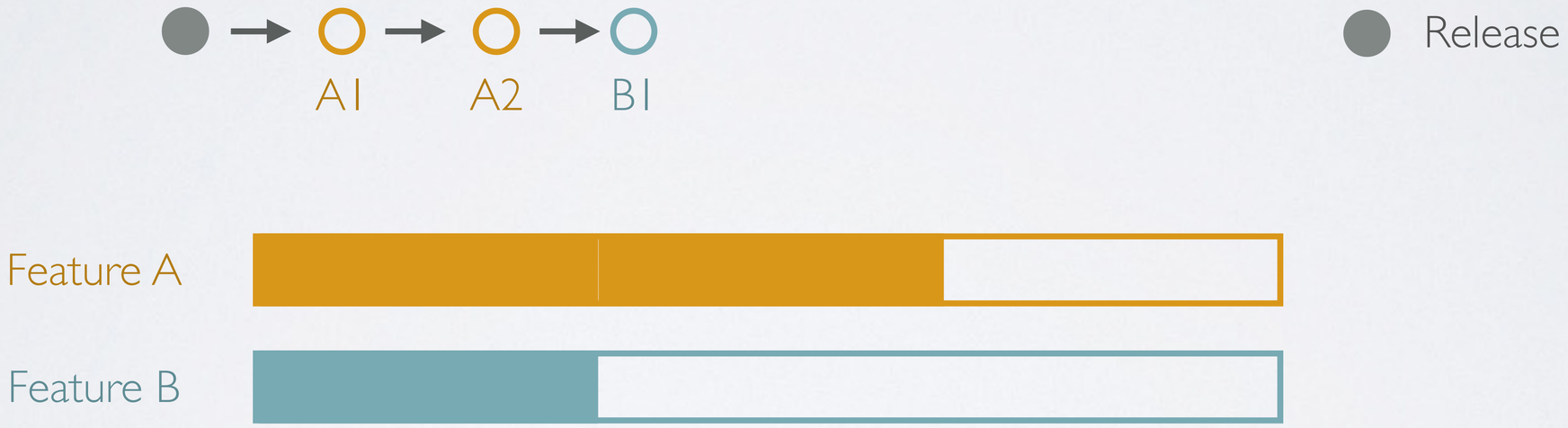
PARALLEL DEVELOPMENT



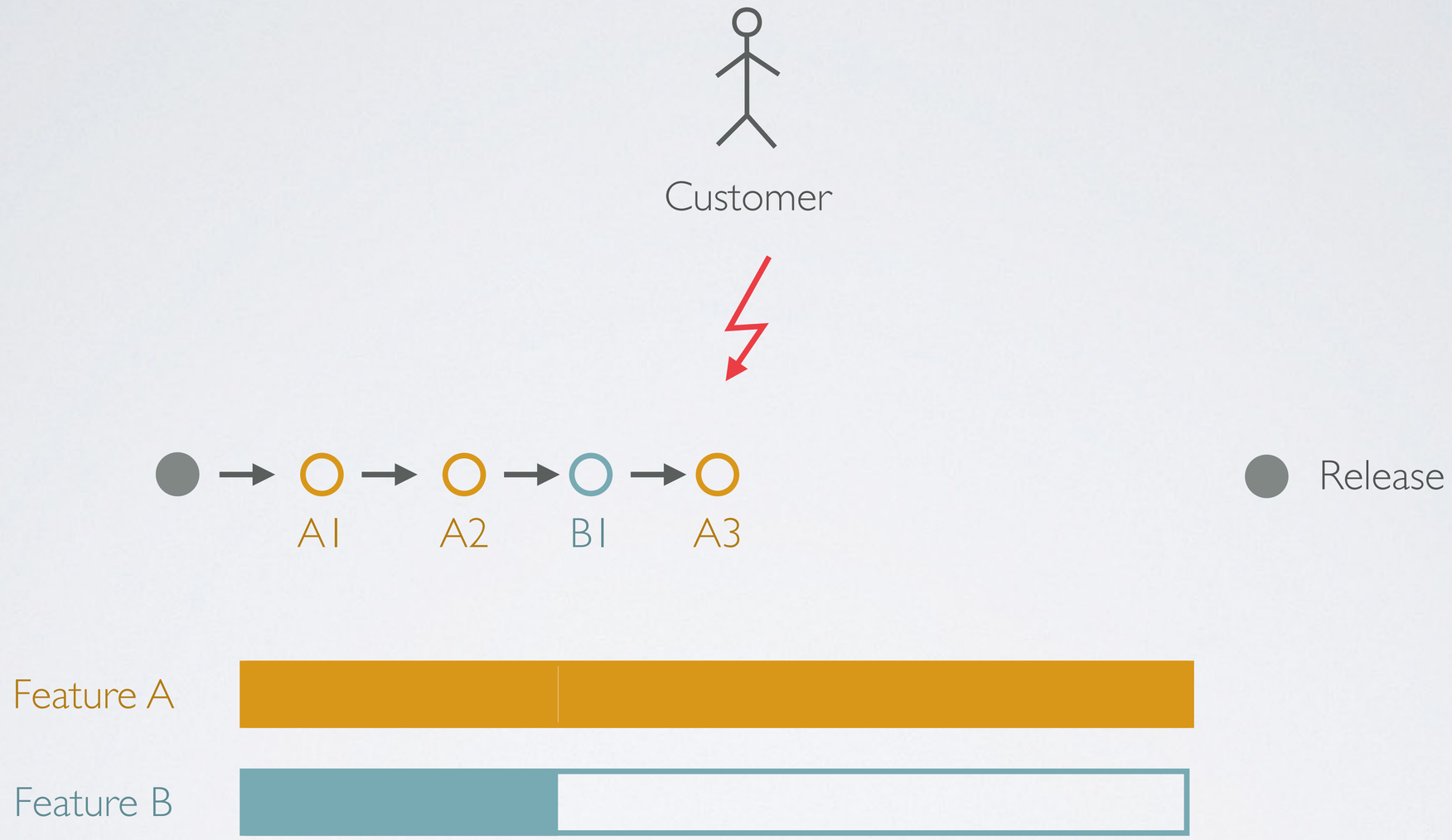

Release
Feature A
Feature B

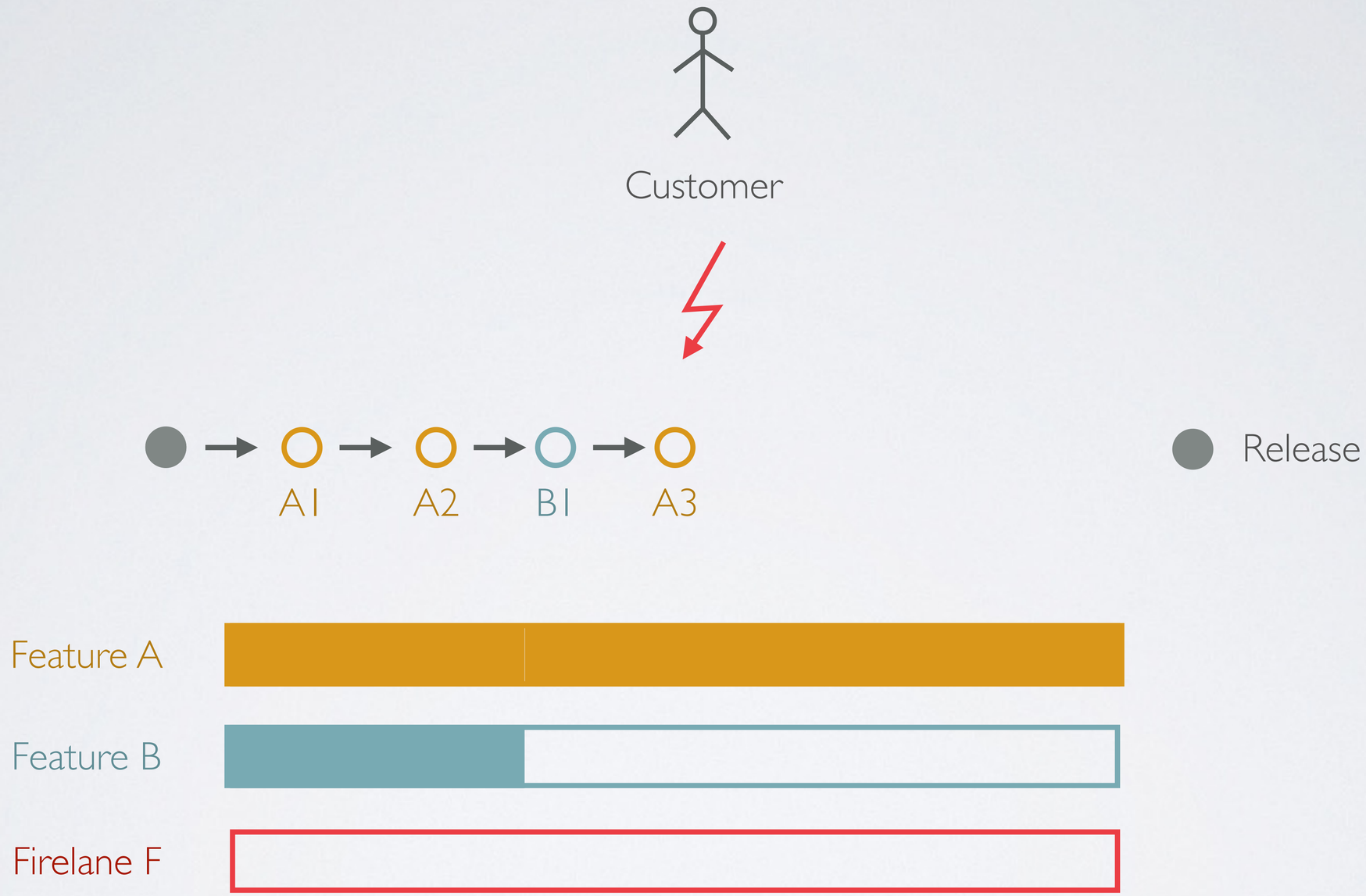

AI
Release
Feature A
Feature B

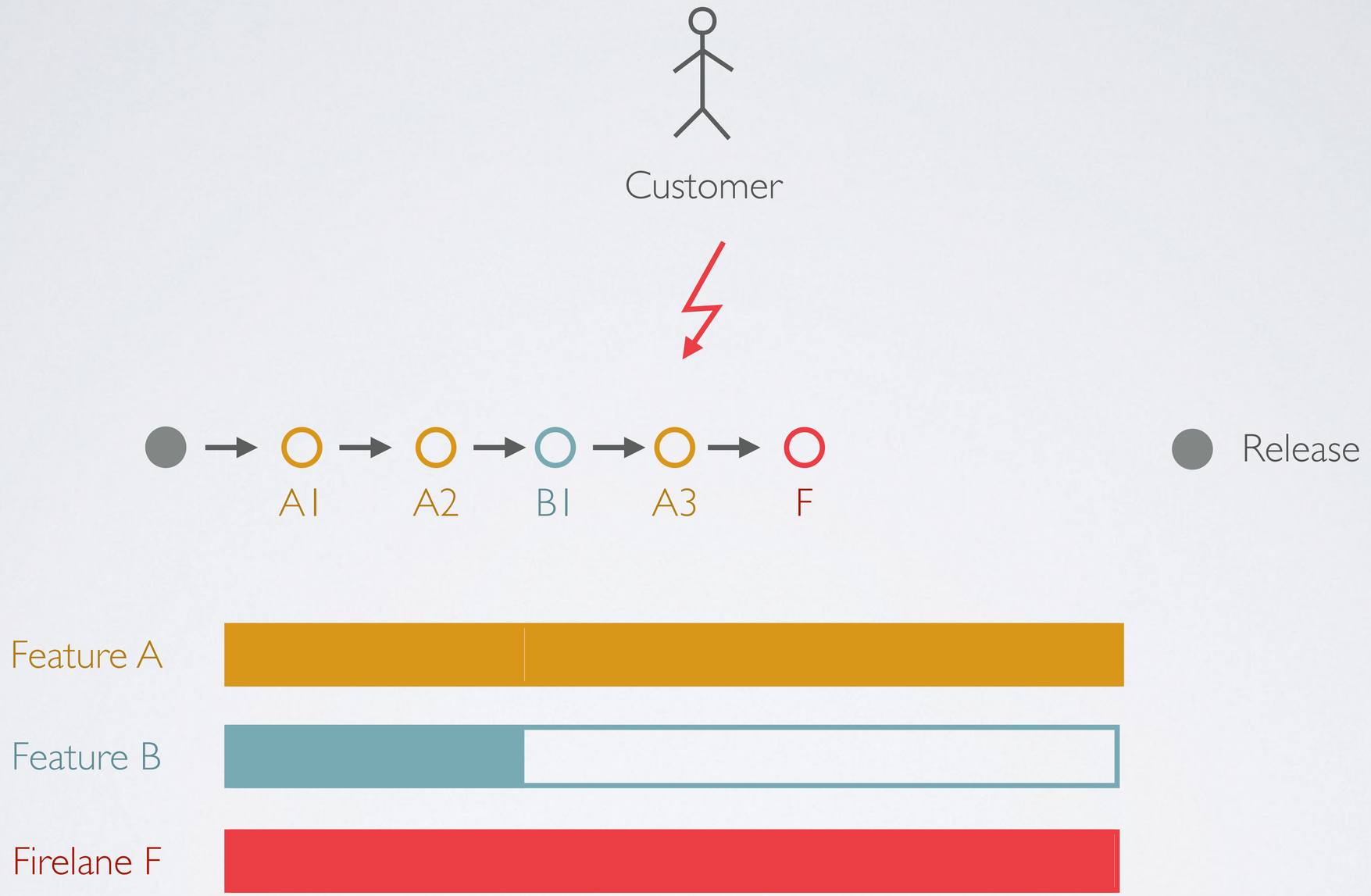

A1
A2
Release
Feature A
Feature B

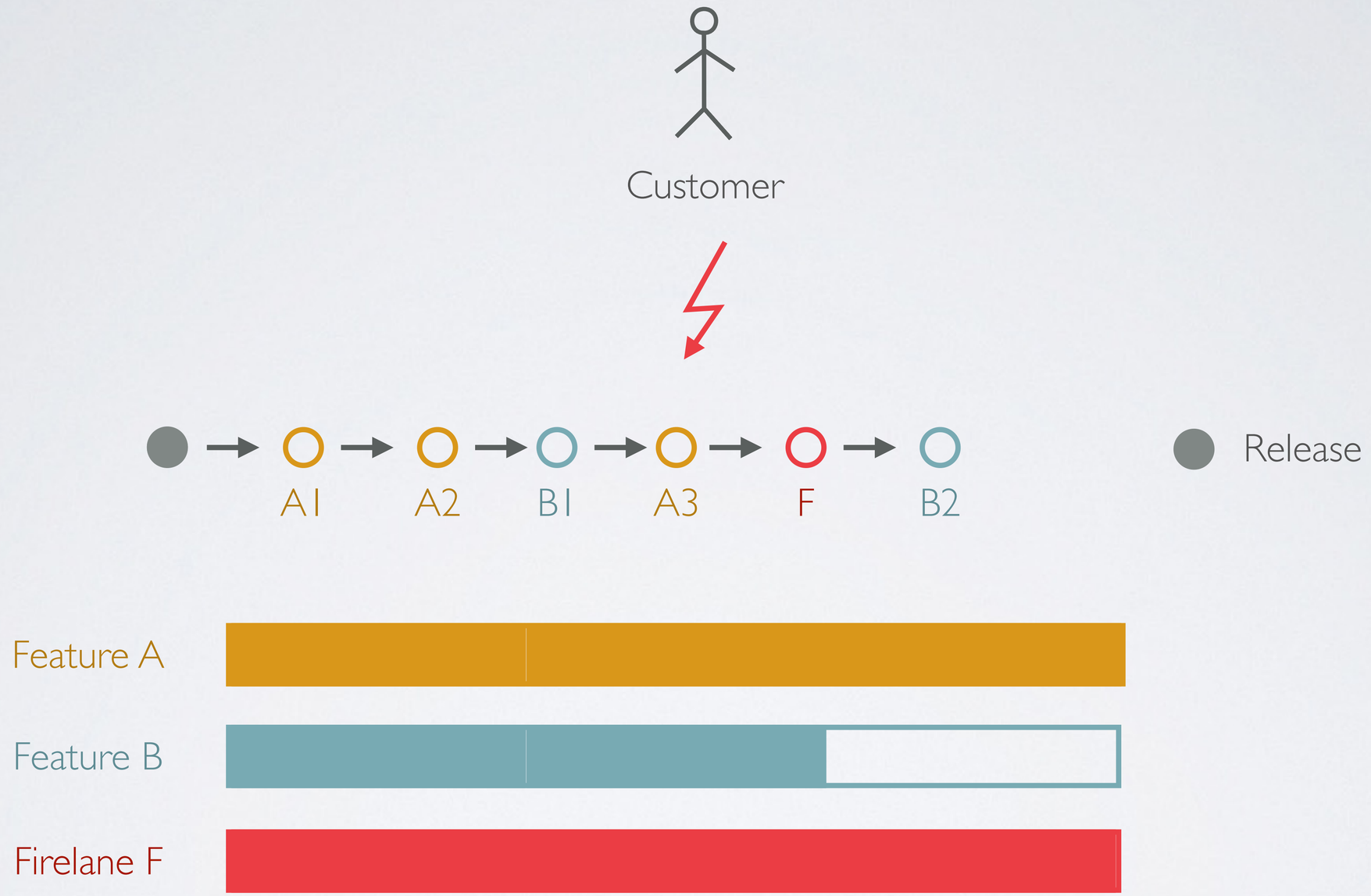

A1
A2
B1
Release
Feature A
Feature B

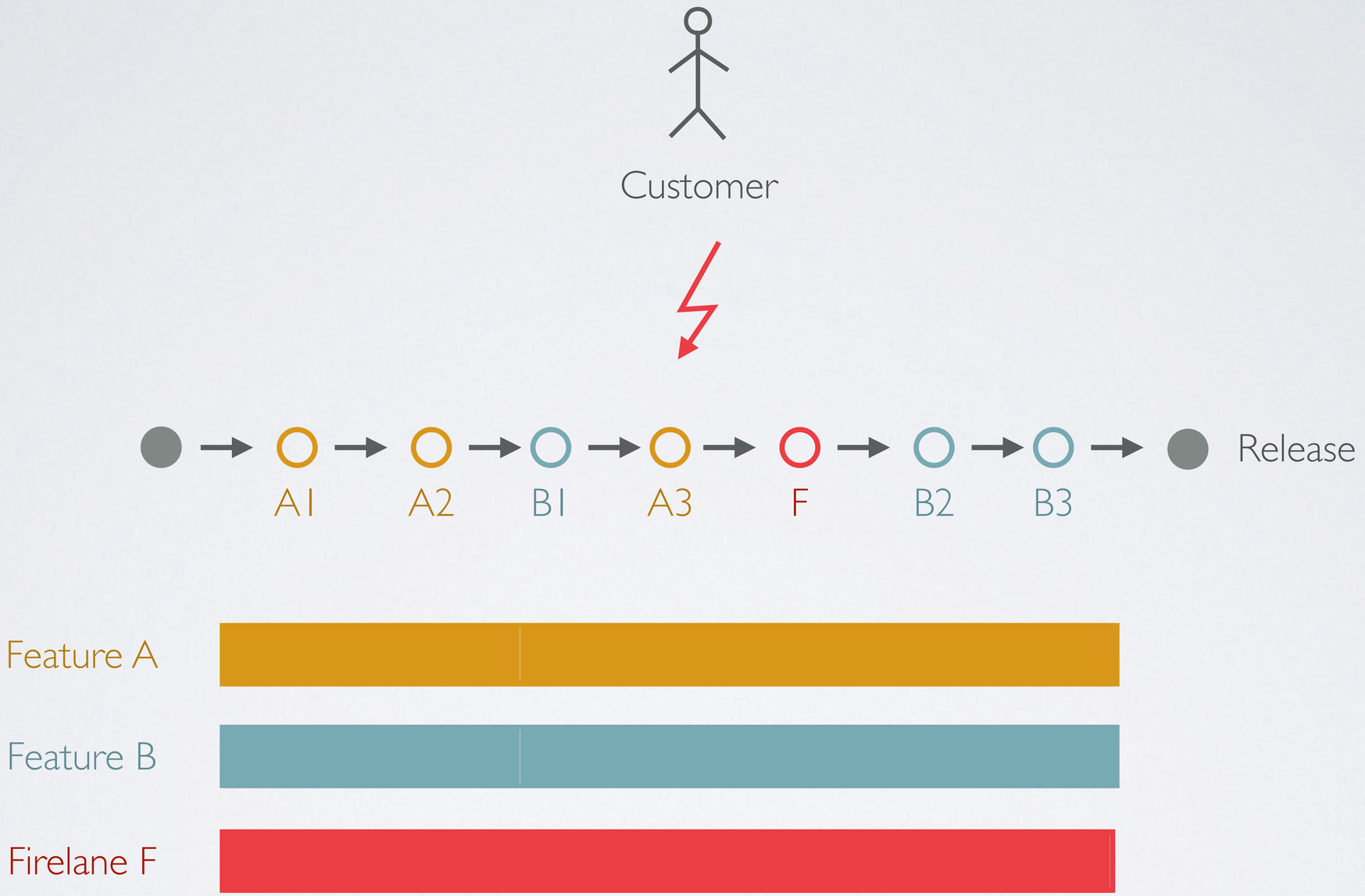
A1
A2
B1
A3
Release
Feature A
Feature B


Customer
A1
A2
B1
A3
Release
Feature A
Feature B


Customer
A1
A2
B1
A3
Release
Feature A
Feature B
Firelane F


Customer
A1
A2
B1
A3
F
Release
Feature A
Feature B
Firelane F

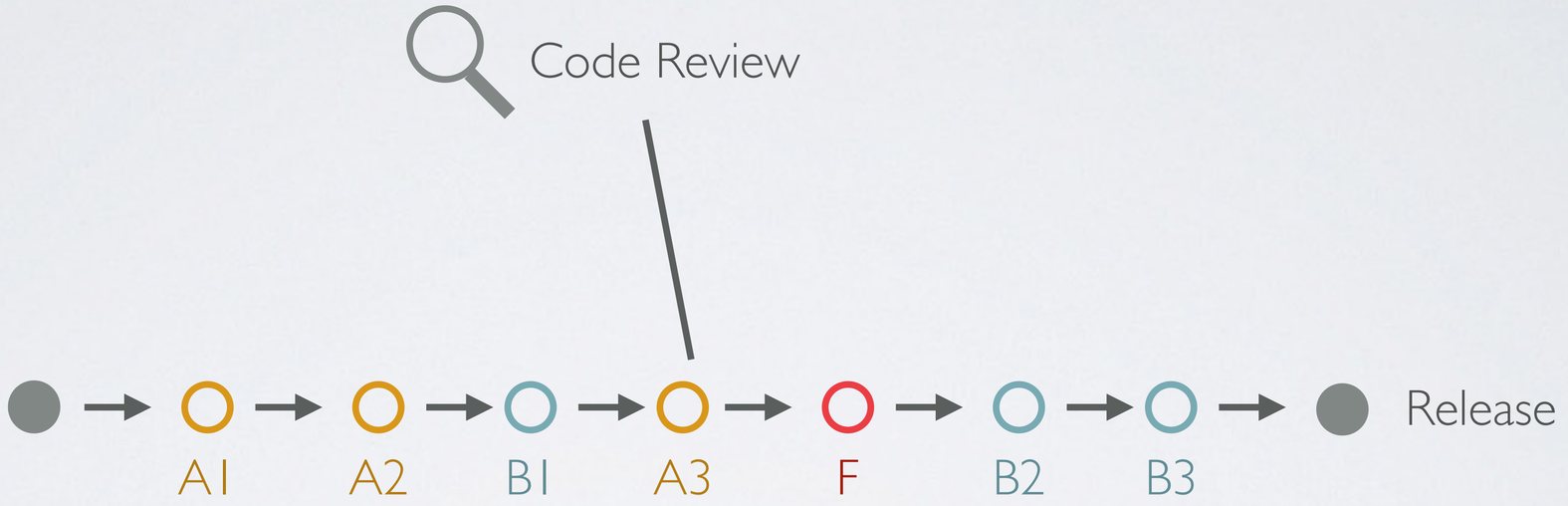

Customer
A1
A2
B1
A3
F
B2
Release
Feature A
Feature B
Firelane F

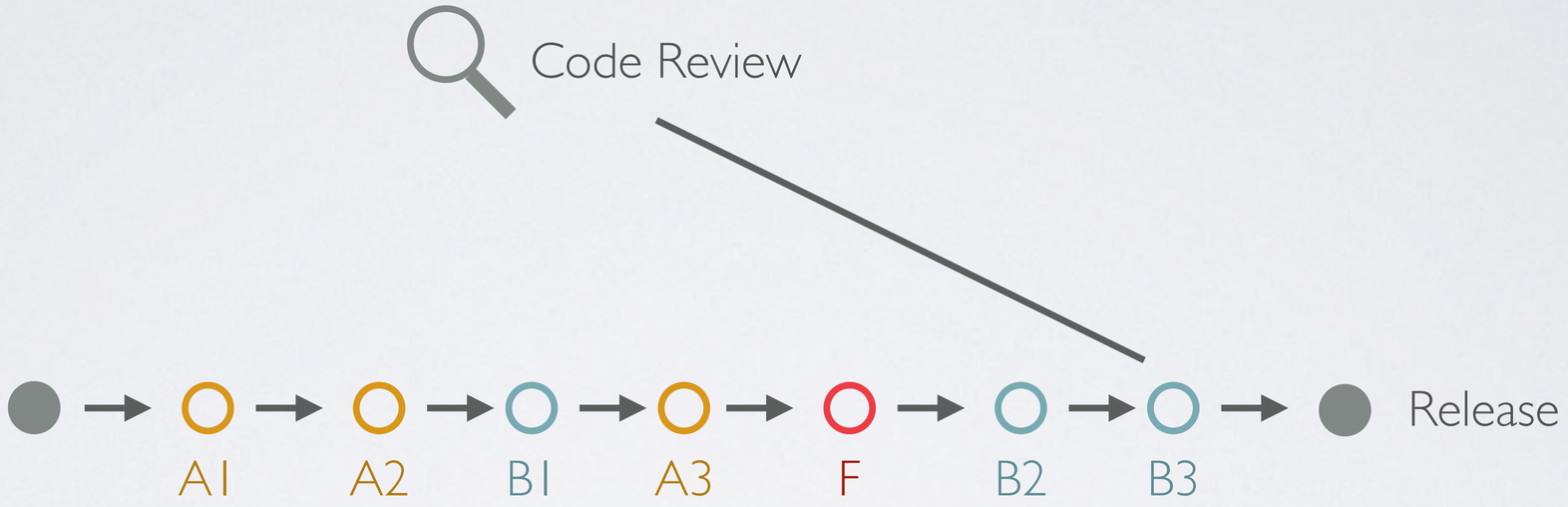

Customer
A1
A2
B1
A3
F
B2
B3
Release
Feature A
Feature B
Firelane F

CHALLENGES

- Mixed up features
- Changes are hard to trace
- Undone features
- Reaction to critical errors

Code Review

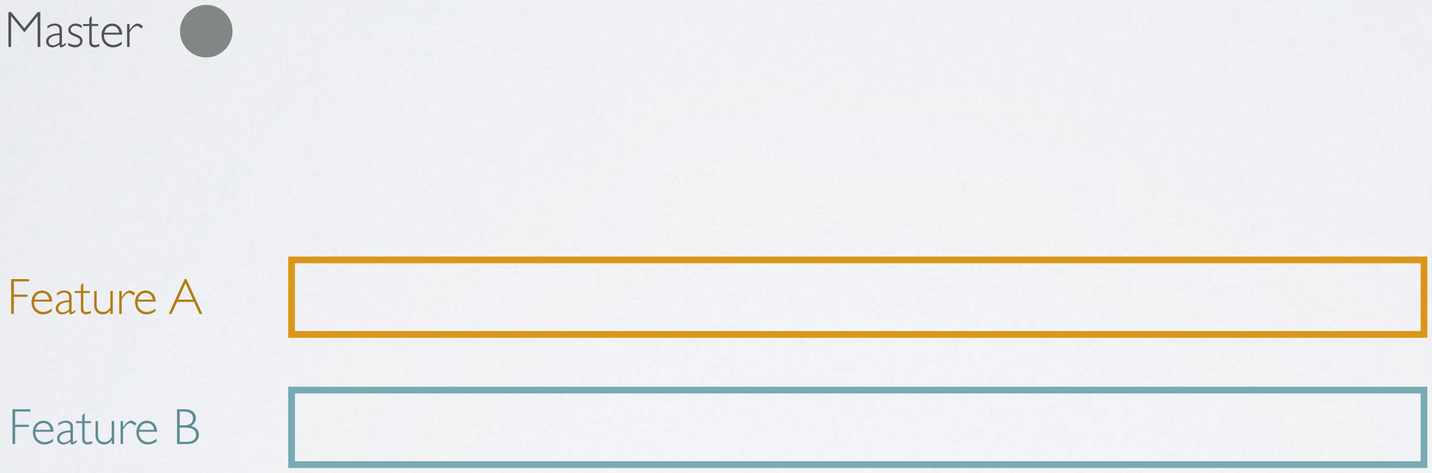

Code Review
A1
A2
B1
A3
F
B2
B3
Release

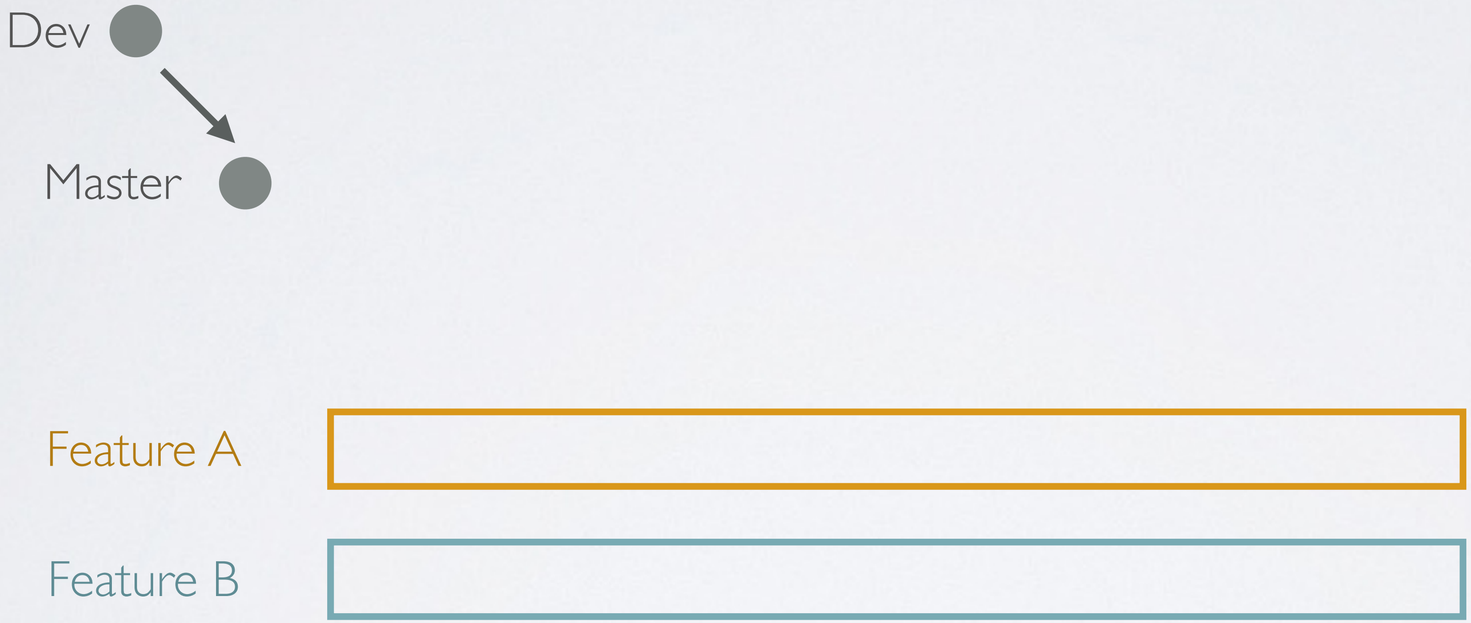

Code Review
A1
A2
B1
A3
F
B2
B3
Release

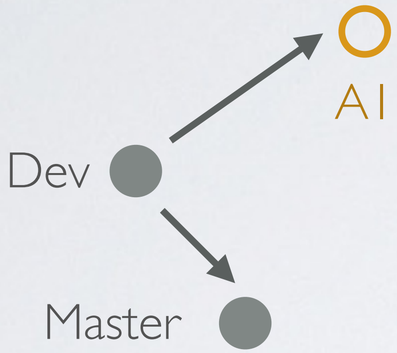
Code Review
?

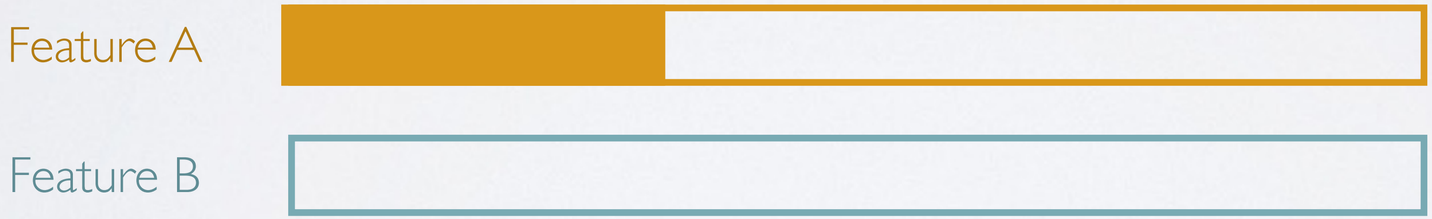
A1
A2
B1
A3
F
B2
B3
Release

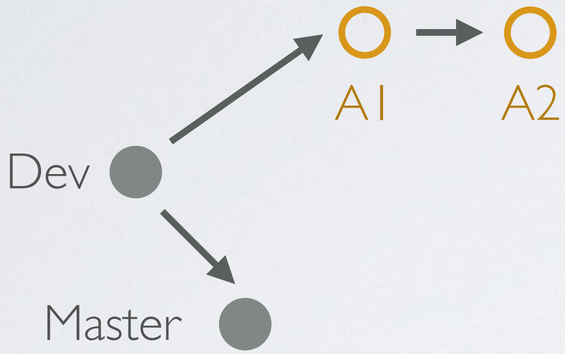
FEATURE BRANCH CONCEPT

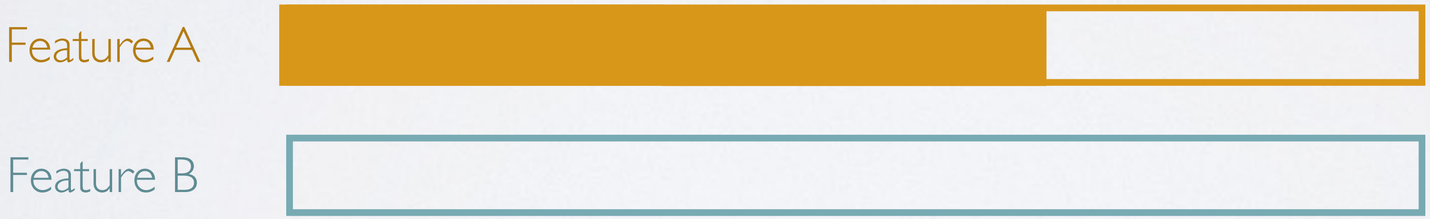


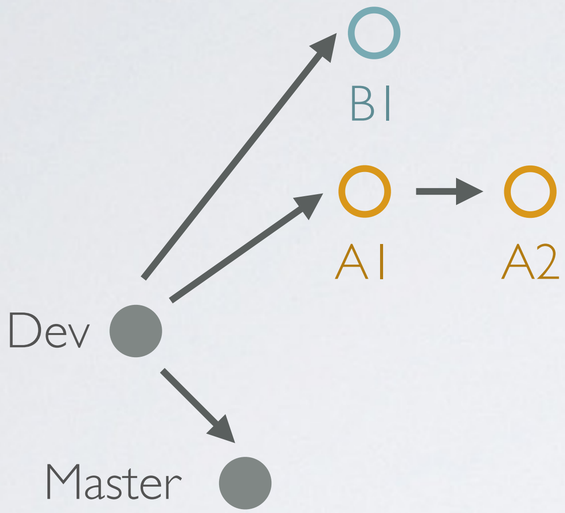

Dev
Master
Feature A
Feature B

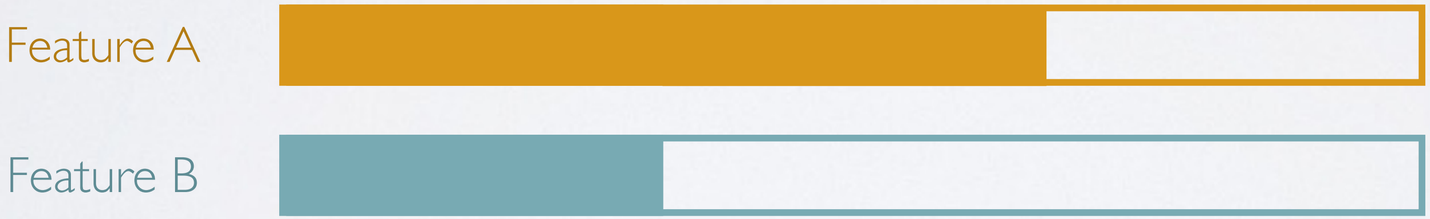

AI
Dev
Master

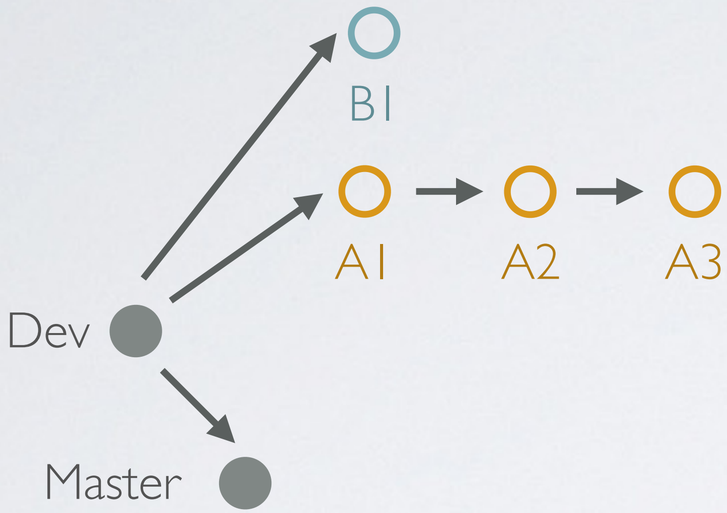

Feature A
Feature B

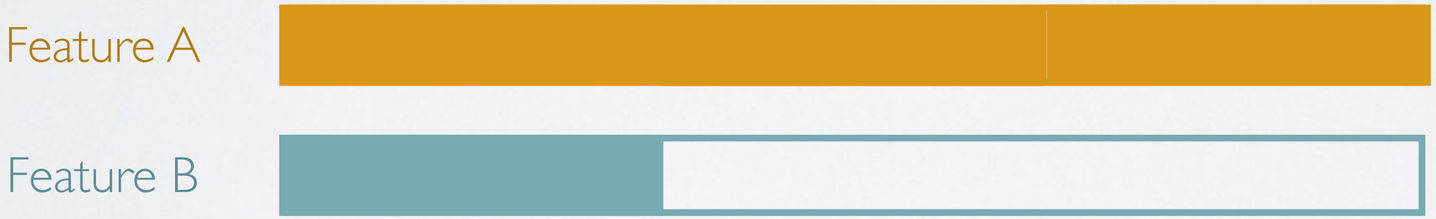

A1
A2
Dev
Master

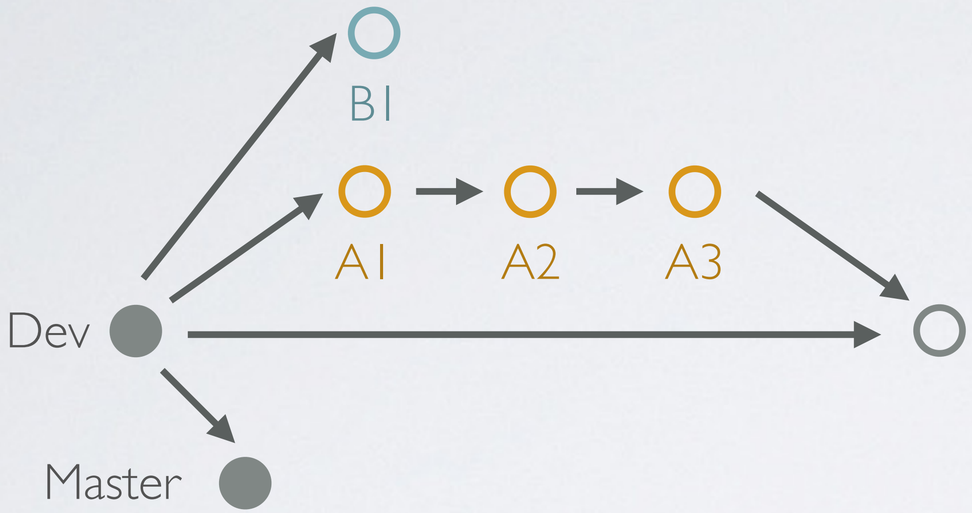

Feature A
Feature B

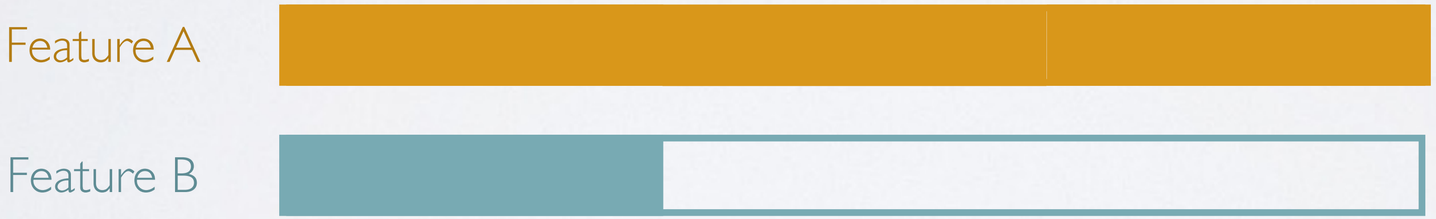

B1
A1
A2
Dev
Master

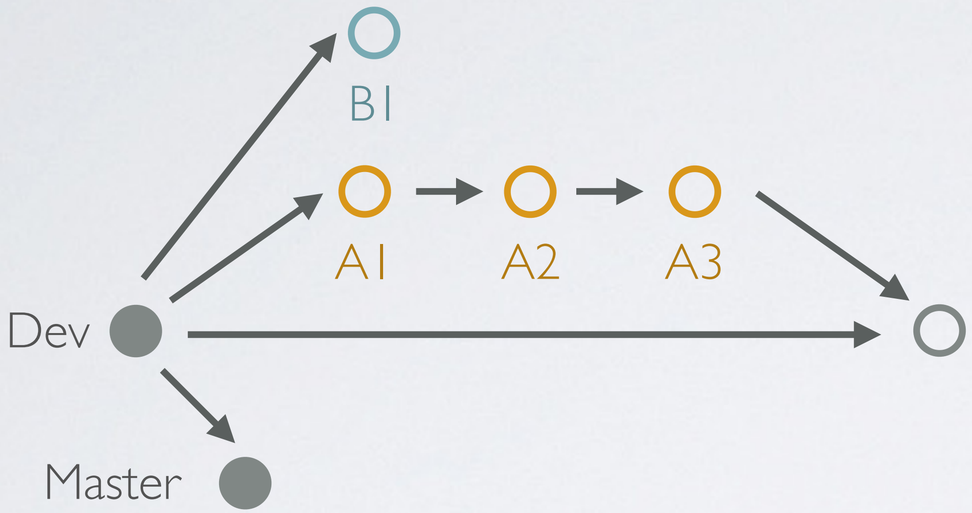

Feature A
Feature B

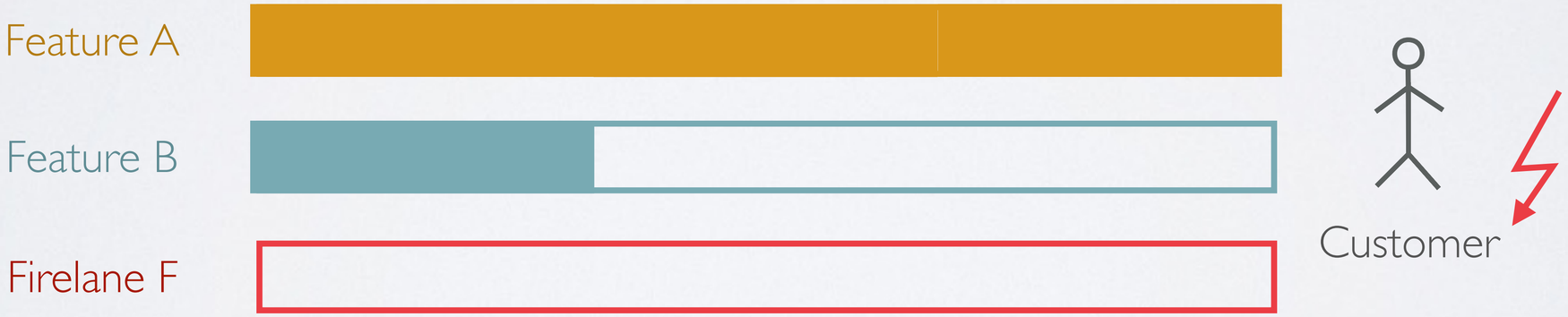

B1
A1
A2
A3
Dev
Master


Feature A
Feature B


B1
A1
A2
A3
Dev
Master

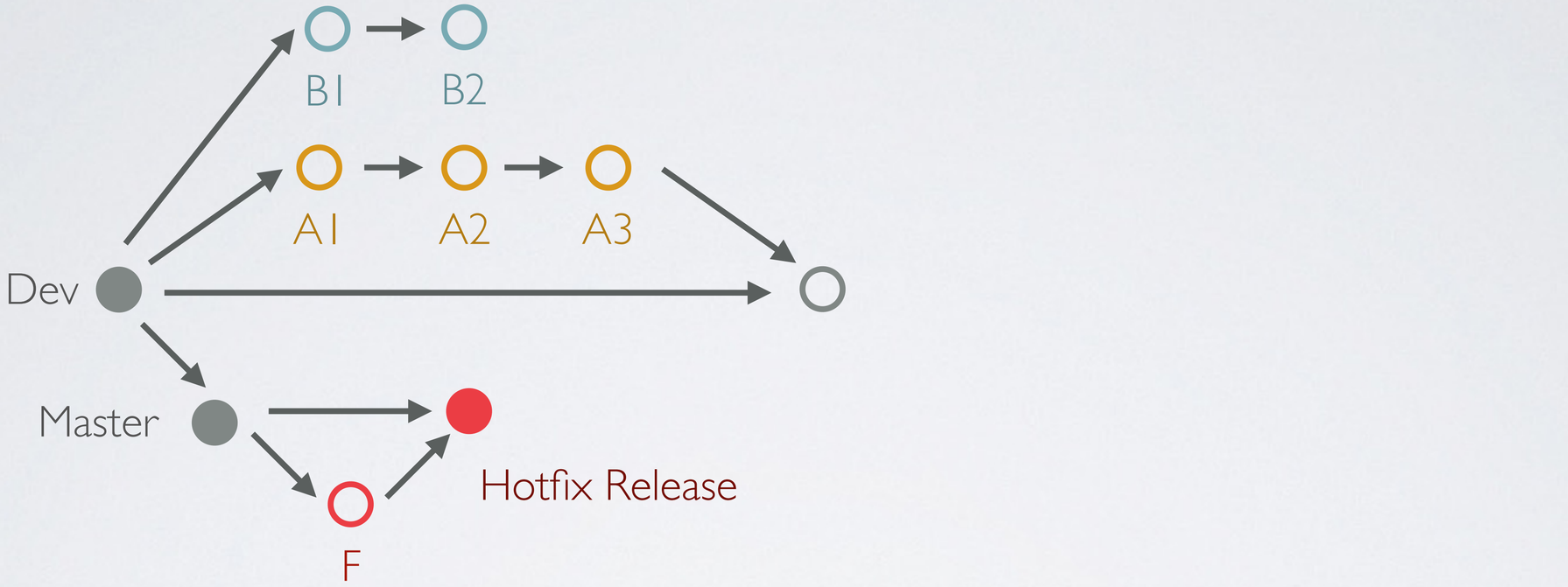

Feature A
Feature B

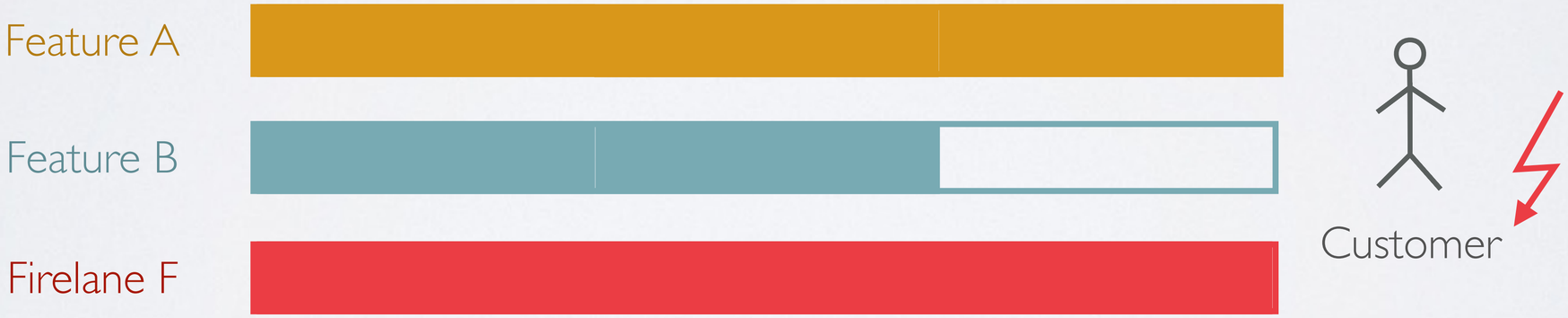

B1
A1
A2
A3
Dev
Master


Feature A
Feature B
Firelane F
Customer

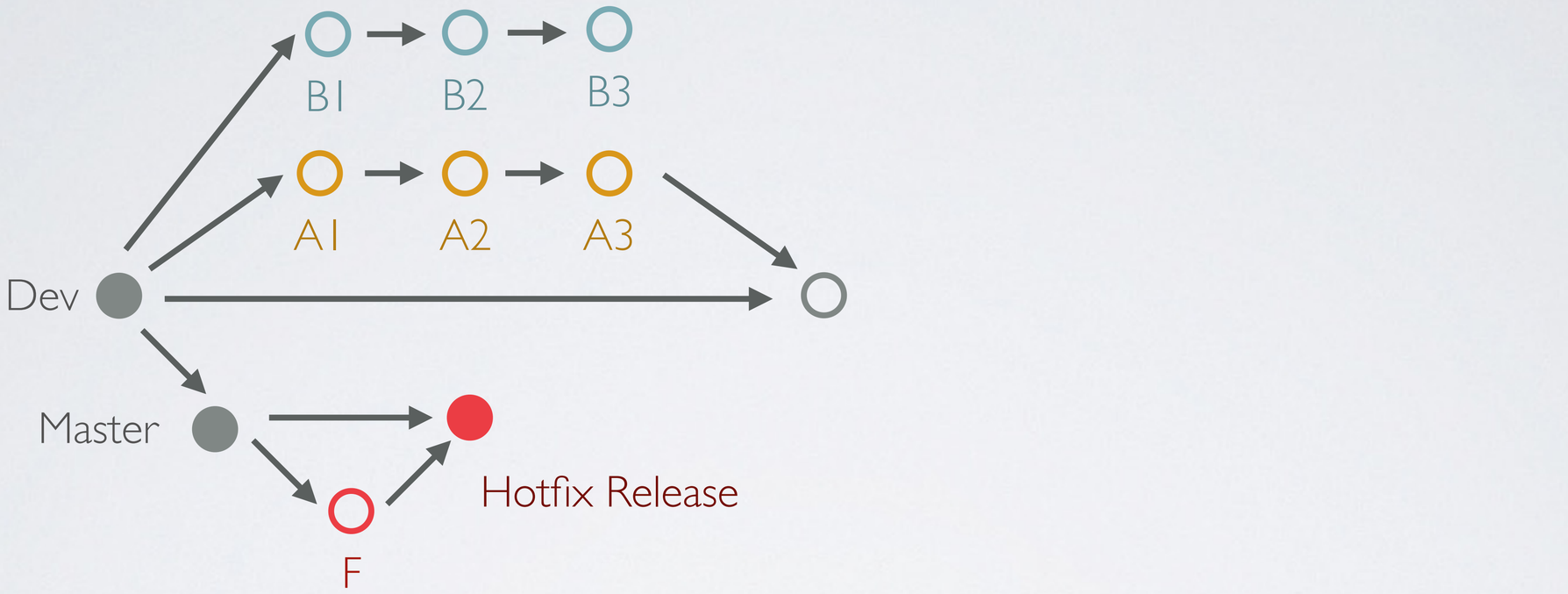
B1
A1
A2
A3
Dev
Master
F
Feature A
Feature B
Firelane F
Customer

B1
A1
A2
A3
Dev
Master
Hotfix Release
F
Feature A
Feature B
Firelane F
Customer


B1
B2
A1
A2
A3
Dev
Master
Hotfix Release
F

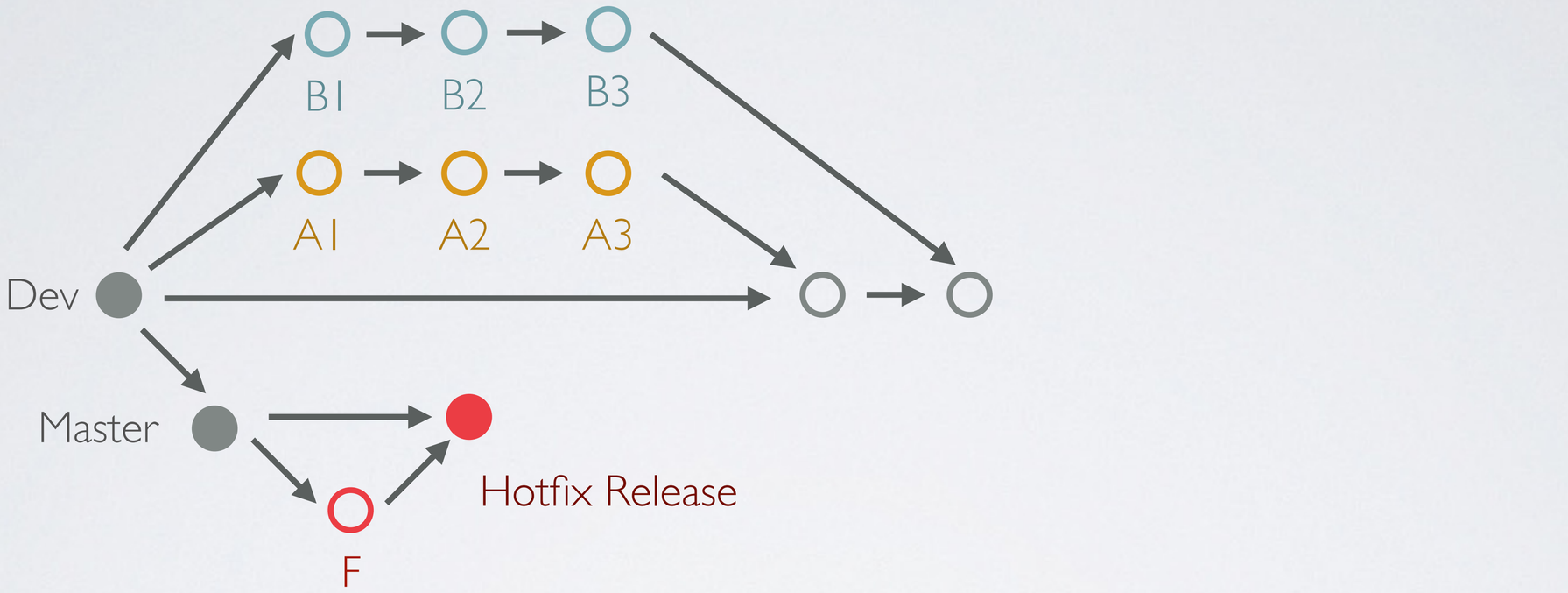

Feature A
Feature B
Firelane F

Customer


B1
B2
B3
A1
A2
A3
Dev
Master
Hotfix Release
F

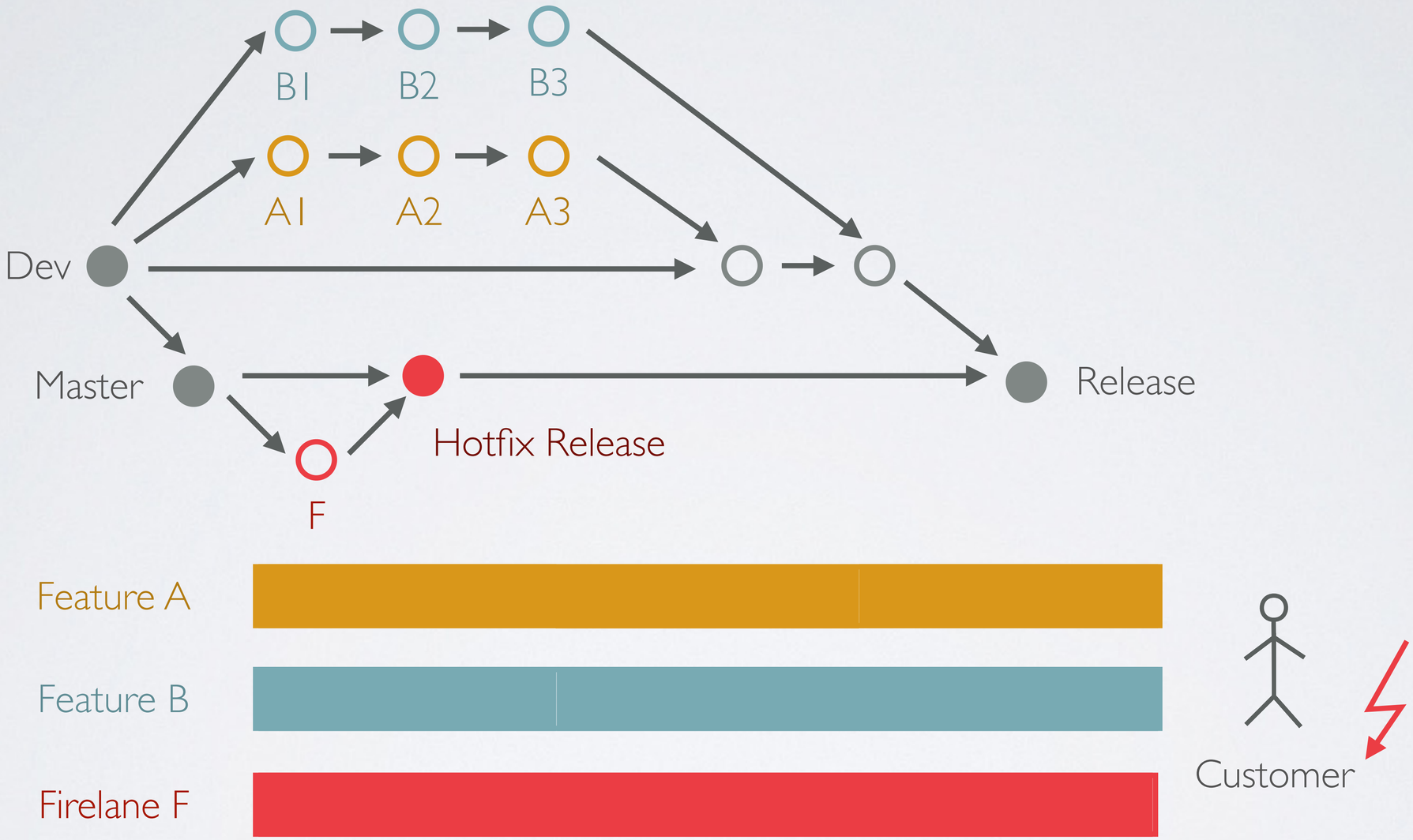
Feature A
Feature B
Firelane F

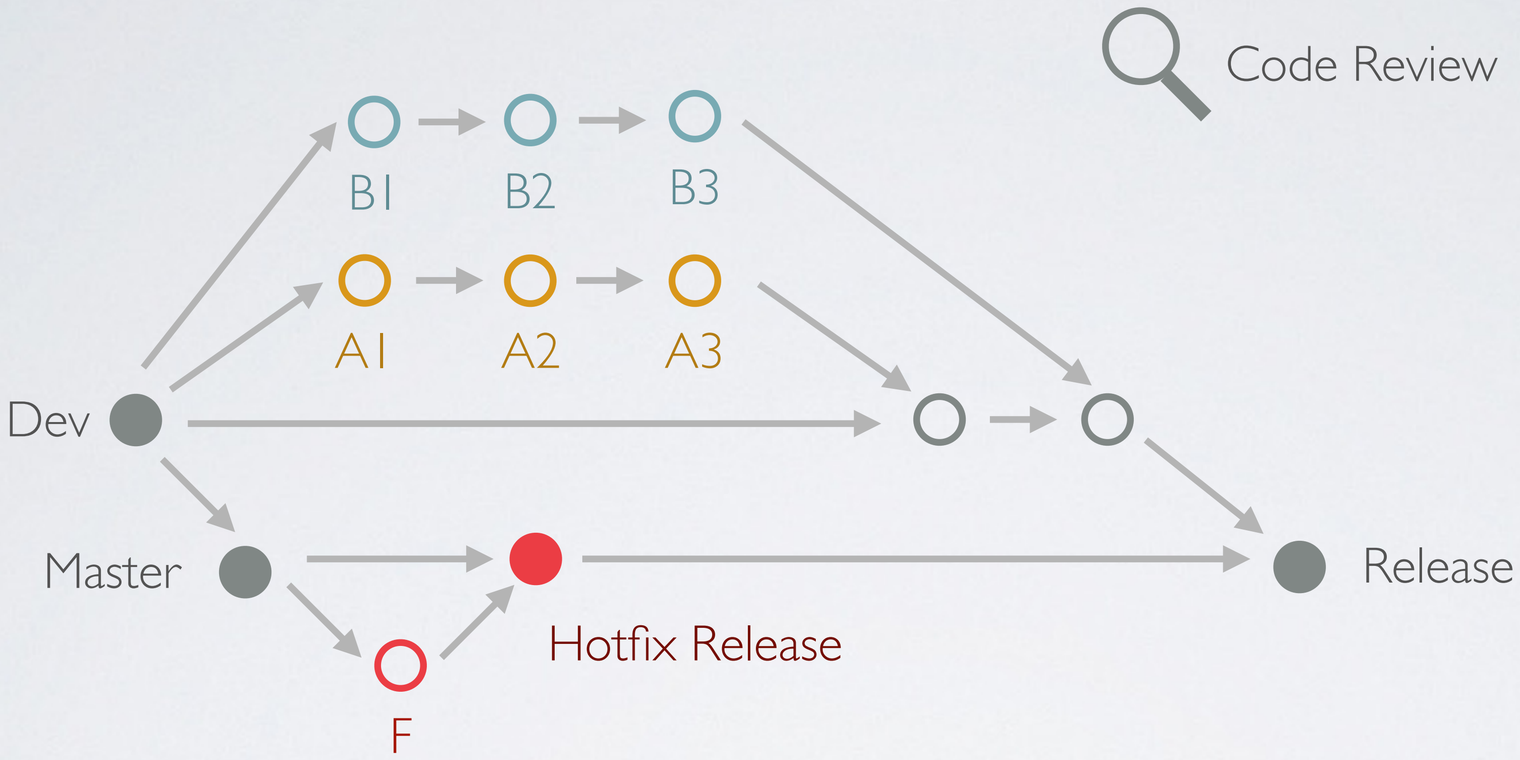
Customer

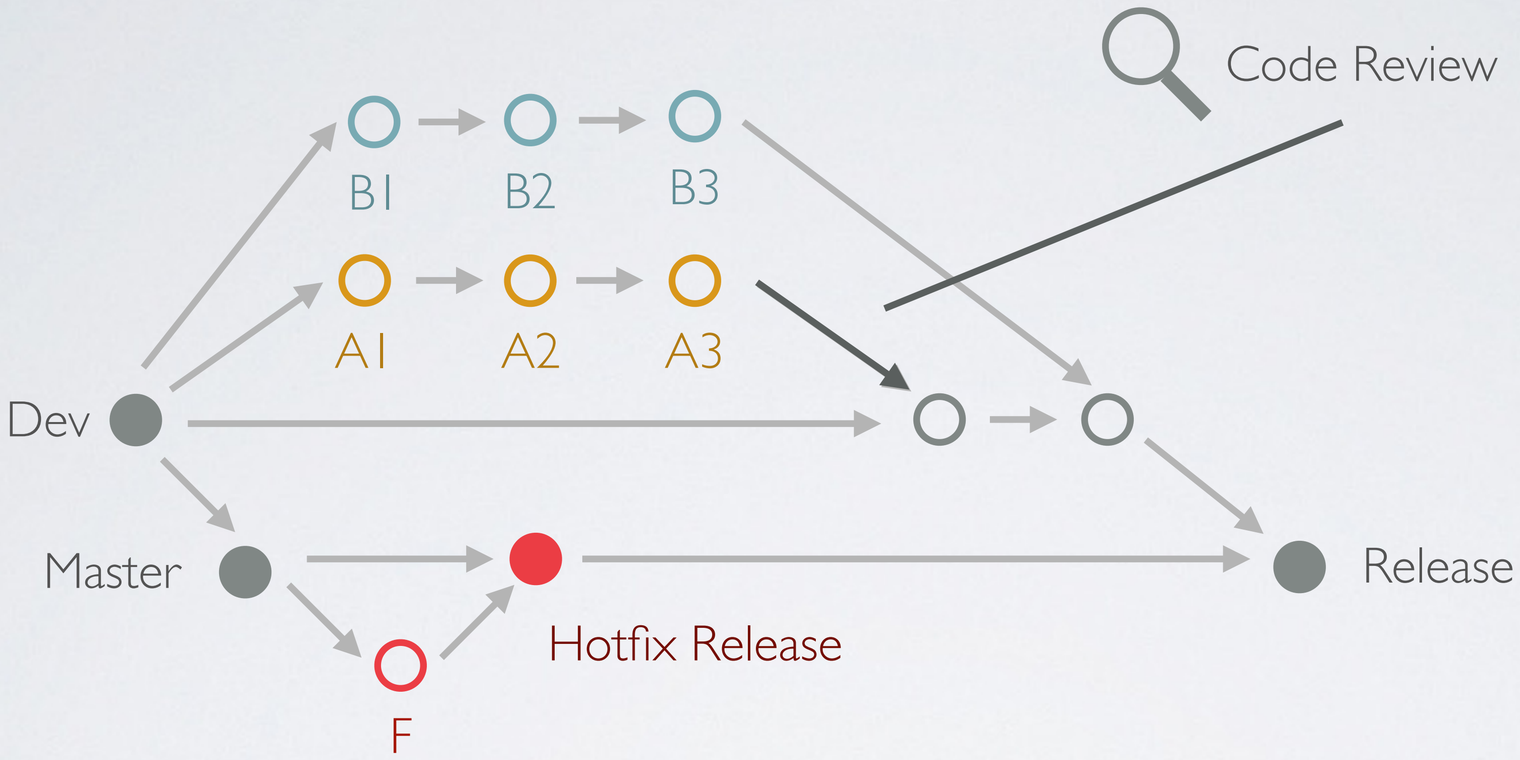

B1
B2
B3
A1
A2
A3
Dev
Master
Hotfix Release
F

Feature A
Feature B
Firelane F

Customer


B1
B2
B3
A1
A2
A3
Dev
Master
Release
Hotfix Release
F
Feature A
Feature B
Firelane F
Customer


Code Review
B1
B2
B3
A1
A2
A3
Dev
Master
Hotfix Release
F
Release

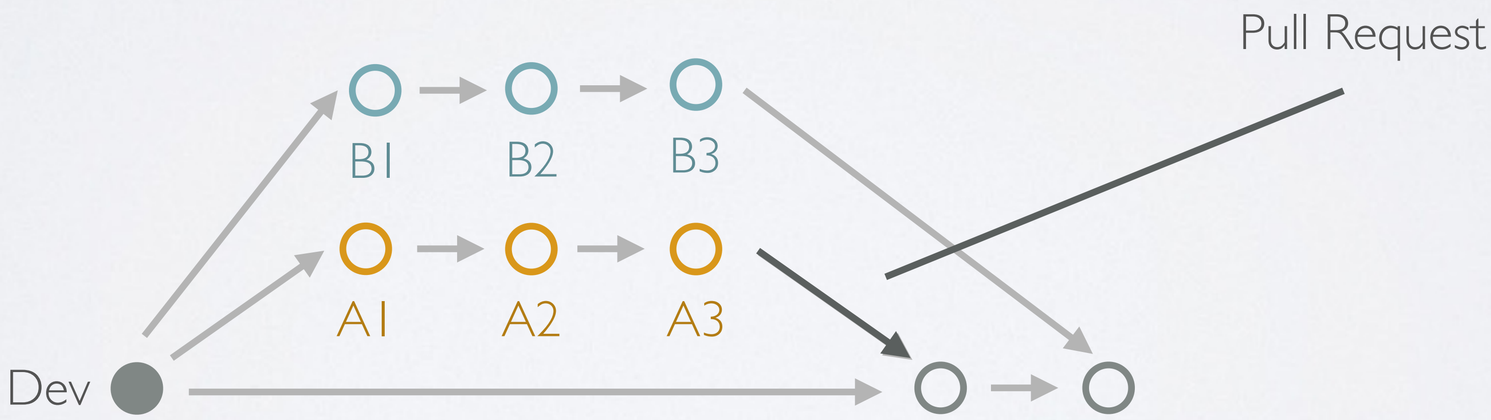

Code Review
B1
B2
B3
A1
A2
A3
Dev
Master
Release
Hotfix Release
F

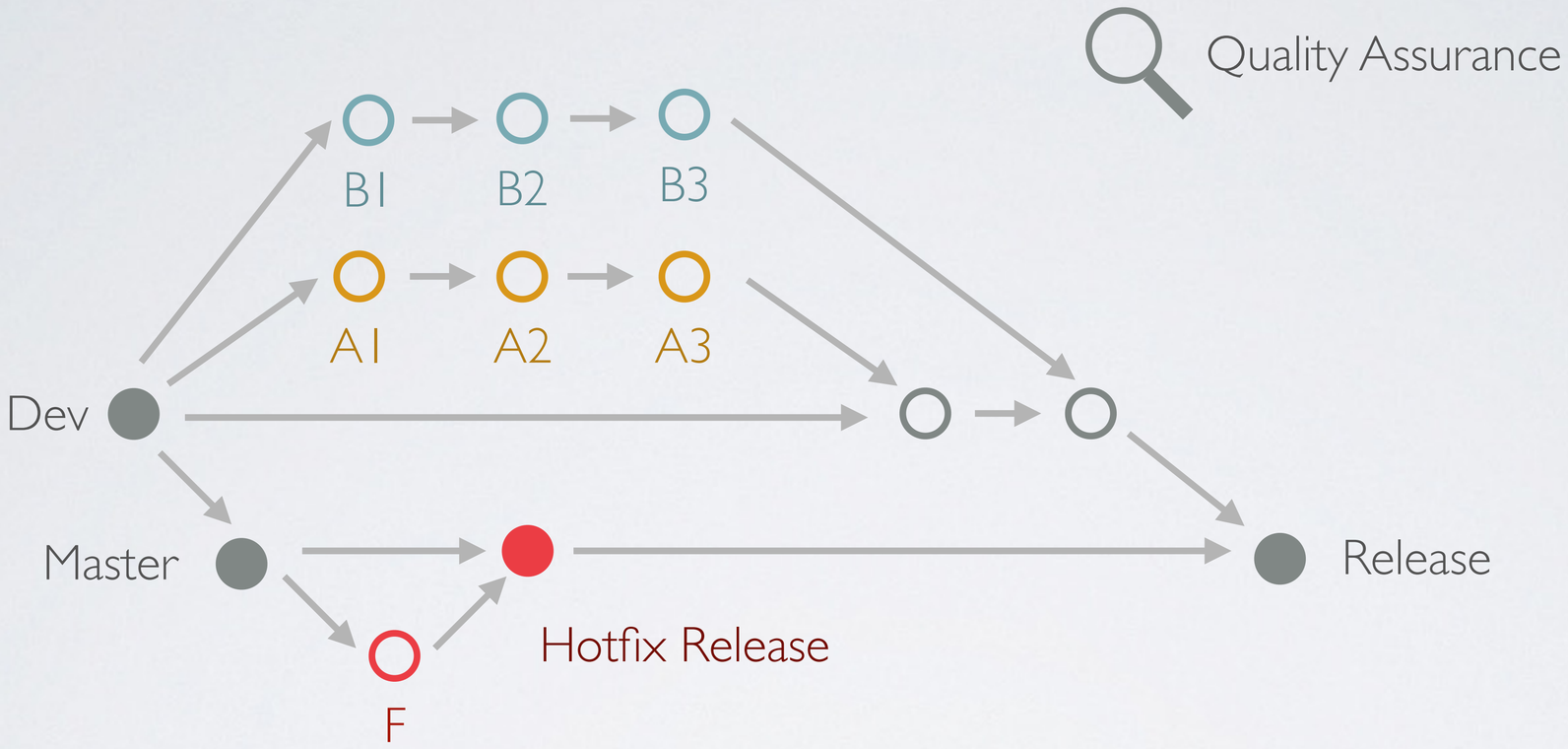
BITBUCKET - PULL REQUESTS

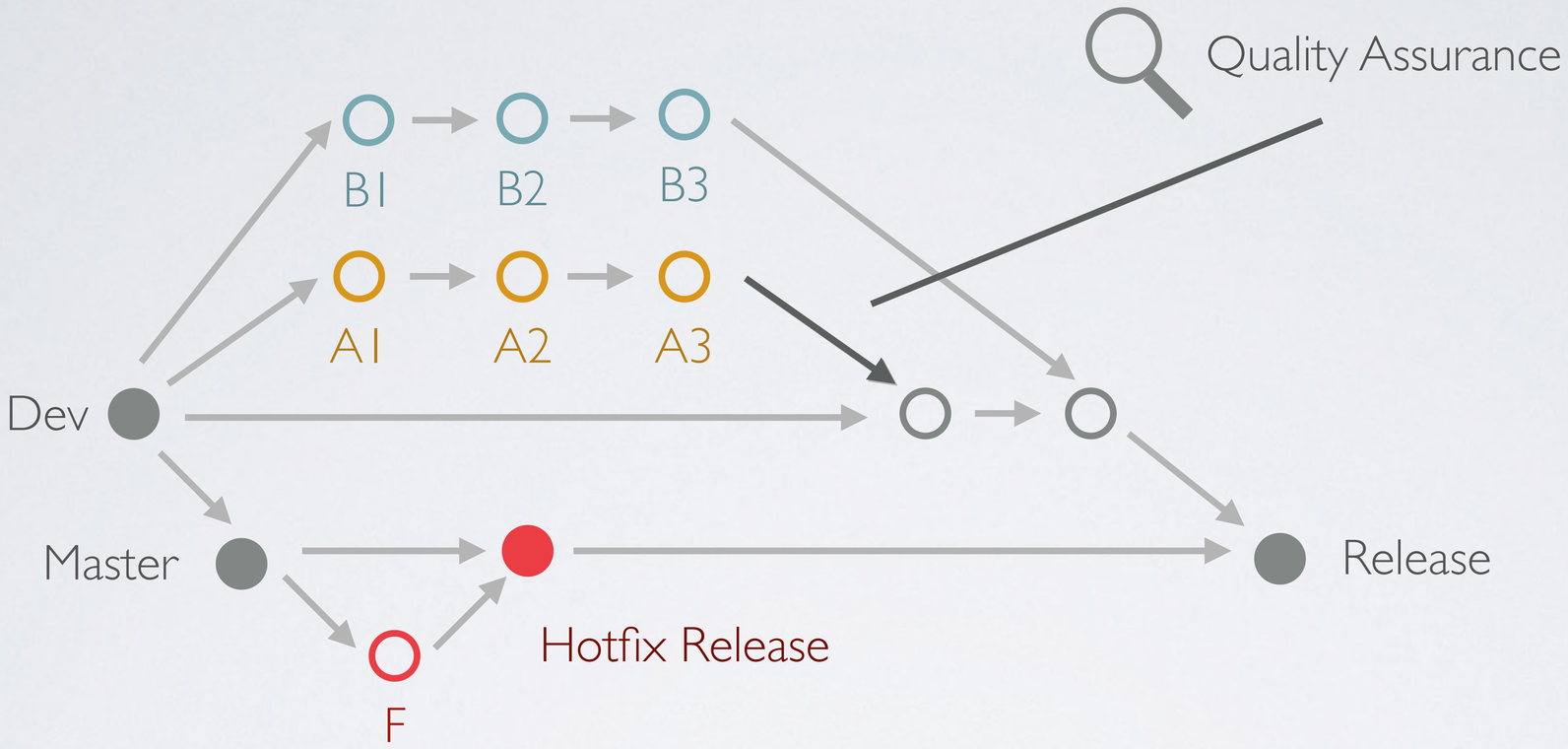
Pull Requests

Offen | Gemergt | Abgelehnt

ID	Überschrift	Autor	Prüfer		Quelle	Ziel	Aktualisiert
#237	Feature/legacy datenbank r…				feature/…	developm…	Vor 7 Stunden
#236	Feature/EG-1045 benutzerv…			1	feature/…	developm…	Vor 7 Stunden




Quality Assurance
B1
B2
B3
A1
A2
A3
Dev
Master
Release
Hotfix Release
F


Quality Assurance
B1
B2
B3
A1
A2
A3
Dev
Master
Release
Hotfix Release
F

QUESTIONS?