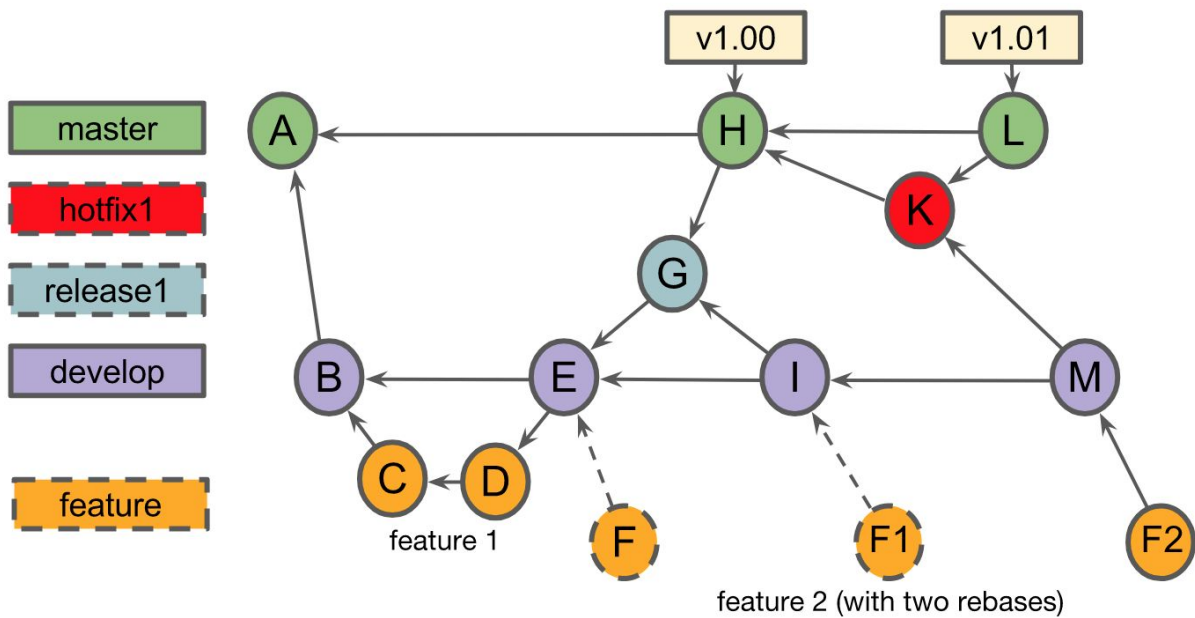# Version Control with Git
final project

Create a Git repository with the commits shown in the commit graph and table below. This simulates a team building and releasing a product using the Gitflow workflow. The first release (v1.00) has only one feature. Soon after release, a bug was discovered and a hotfix (v1.01) was necessary.

When you are finished, find someone to check your work. They can clone your repository to check it. Feel free to experiment and good luck!

feature 1

feature 2 (with two rebases)

commit	type	fileA.txt content	create on branch	commit message	parents	notes
A		-	master	add README.md	-	create README.md
B		"" (empty string)	develop	add fileA.txt	A	
C		"feature 1 wip"	feature1	feature 1 wip	B	
D		"feature 1 with 2 bugs"	feature1	add feature 1	C	
E	merge commit	(no change)	develop	Merge branch 'feature1' into develop	B, D	delete feature1 label

F		"feature 1 with 2 bugs feature 2 wip"	feature2	feature 2 wip	E	
G		"feature 1 with 1 bug"	release1	fix feature 1 bug X	E	
H	merge commit	results in "feature 1 with 1 bug"	master	Merge branch 'release1'	A, G	tag "v1.00"
I	merge commit	results in "feature 1 with 1 bug"	develop	Merge branch 'release1' into develop	E, G	delete release1 label
F1	rebase	"feature 1 with 1 bug feature 2 wip"	feature2	feature 2 wip	I	will need to resolve merge conflict
K		"feature 1"	hotfix1	fix feature 1 bug Y	H	
L	merge commit	"feature 1"	master	Merge branch 'hotfix1'	H, K	tag "v1.01"
M	merge commit	"feature 1"	develop	Merge branch 'hotfix1' into develop	I, K	delete hotfix1 label
F2	rebase	"feature 1 feature 2 wip"	feature2	feature 2 wip	M	will need to resolve merge conflict