SWING

IS A JAVA FRAMEWORK USED FOR BUILDING GUIS (GRAPHICAL USER INTERFACES)

SWING HAS BOTH ADVANTAGES..

IT FOLLOWS SOMETHING CALLED THE MVC PARADIGM, WHICH MEANS THAT DATA AND ITS GUI REPRESENTATION ARE DECOUPLED

SWING IS PLATFORM-INDEPENDENT SO A SWING GUI WILL WORK ON ANY KIND OF MACHINE

..AND DISADVANTAGES

SWING IS SINGLE-THREADED, I.E. ALL UI IS DRAWN ON A SINGLE THREAD, SO SWING PROGRAMMERS NEED TO DO SOME THREADING TO KEEP THE UI ZIPPY AND RESPONSIVE

BECAUSE SWING IS WRITTEN IN JAVA AND INTENTIONALLY DOES NOT USE NATIVE OPERATING SYSTEM FUNCTIONALITY, SWING USER INTERFACES HAVE A CHARACTERISTIC "JAVA-Y" LOOK

PROPERTIES & BINDINGS

ALSO, PROPERTIES AND BINDINGS ALLOW ANY ARBITRARY VARIABLES TO BE WIRED UP TO STAY IN SYNCH

JAVAFX ALLOWS CLASSES TO DEFINE VARIABLES WHOSE VALUES CAN BE OBSERVED AND BOUND TO OTHER VARIABLES

IN CONTRAST, SWING EVENT LISTENERS ARE FULL OF BOILERPLATE CODE THAT CONTRIBUTES TO "CODE BLOAT"

IN SWING, IN CONTRAST, NOT ALL UI CHARACTERISTICS NECESSARILY ACCEPTED LISTENERS

CSS SUPPORT

CSS ("CASCADING STYLE SHEET") FILES
ARE WIDELY USED TO CONTROL THE LOOK
AND FEEL OF USER INTERFACES, ESPECIALLY
IN WEB PROGRAMMING

CSS FILES ARE A STANDARD, WIDELY-USED
WAY TO SEPARATE FORMATTING AND CONTENT

ITS ALSO REALLY EASY TO HAVE
DIFFERENT CSS FILES FOR DIFFERENT
'SKINS' ON THE SAME UI

UX DESIGNERS ARE OFTEN CSS EXPERTS,
WHILE THEY ARE NOT TYPICALLY JAVA
PROGRAMMING EXPERTS..

JAVAFX SUPPORTS CSS, I.E. IT ALLOWS
CSS FILES TO GOVERN THE LOOK-AND-FEEL
OF THE UI, SWING DOES NOT