Algoritmi de Sortări

Autor:
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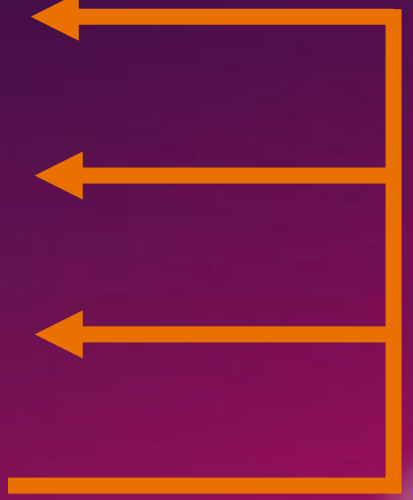
Structura prezentării

1. De ce?
2. Pași simpli de urmat
3. Aspecte grafice
4. Funcționare obiecte
5. Programare Java
6. Testarea aplicației
7. Concluzii

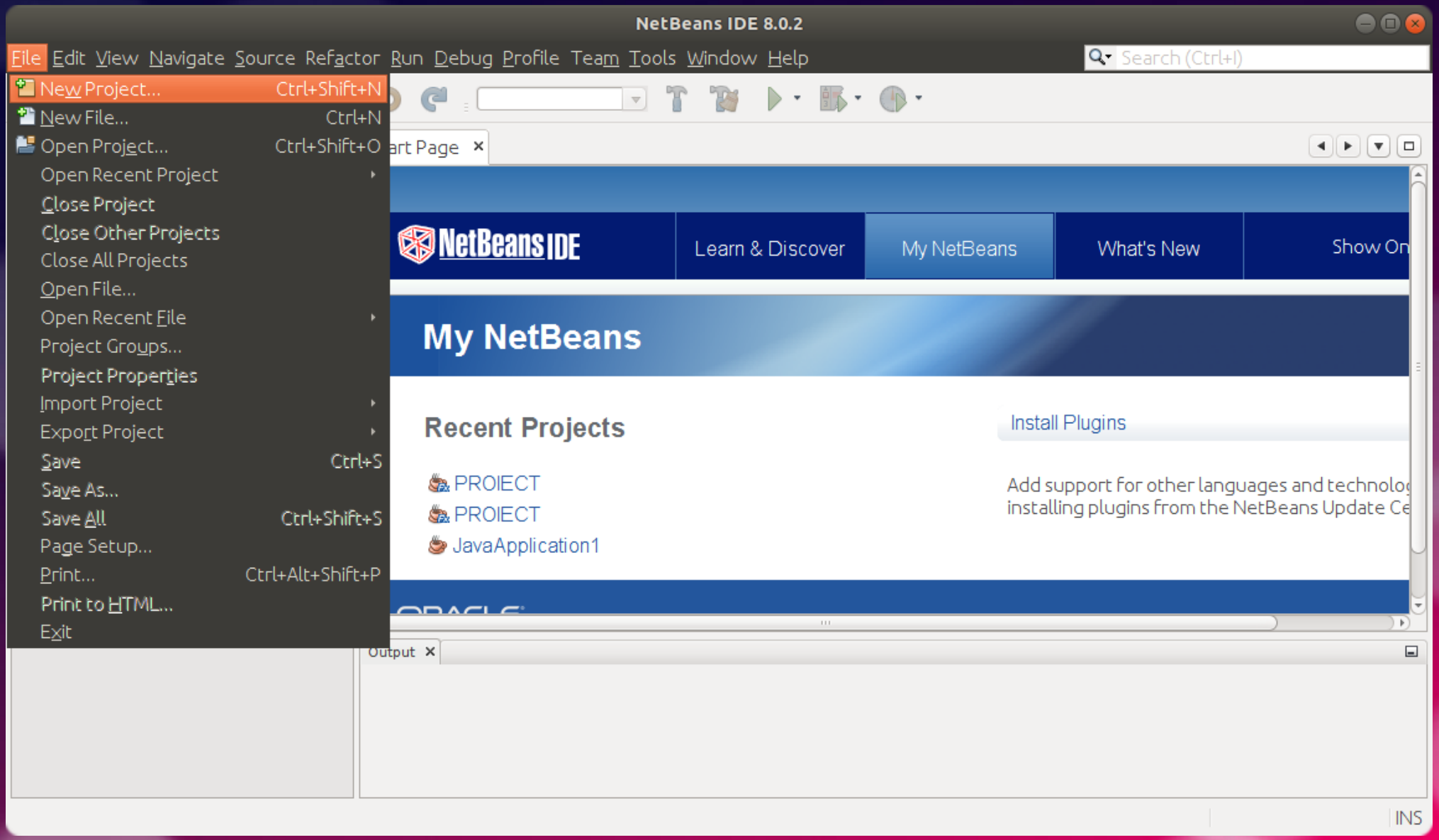


1. De ce?

- De ce sortări?
- Aplicarea în practică a unor concepte teoretice
  - De ce NetBeans, JavaFx și Swing?
- În câțiva pași simpli poți ajunge la rezultate vizibile, datorită librăriilor grafice, care ajută dezvoltatorul să se concentreze mai mult pe partea de programare a aplicației

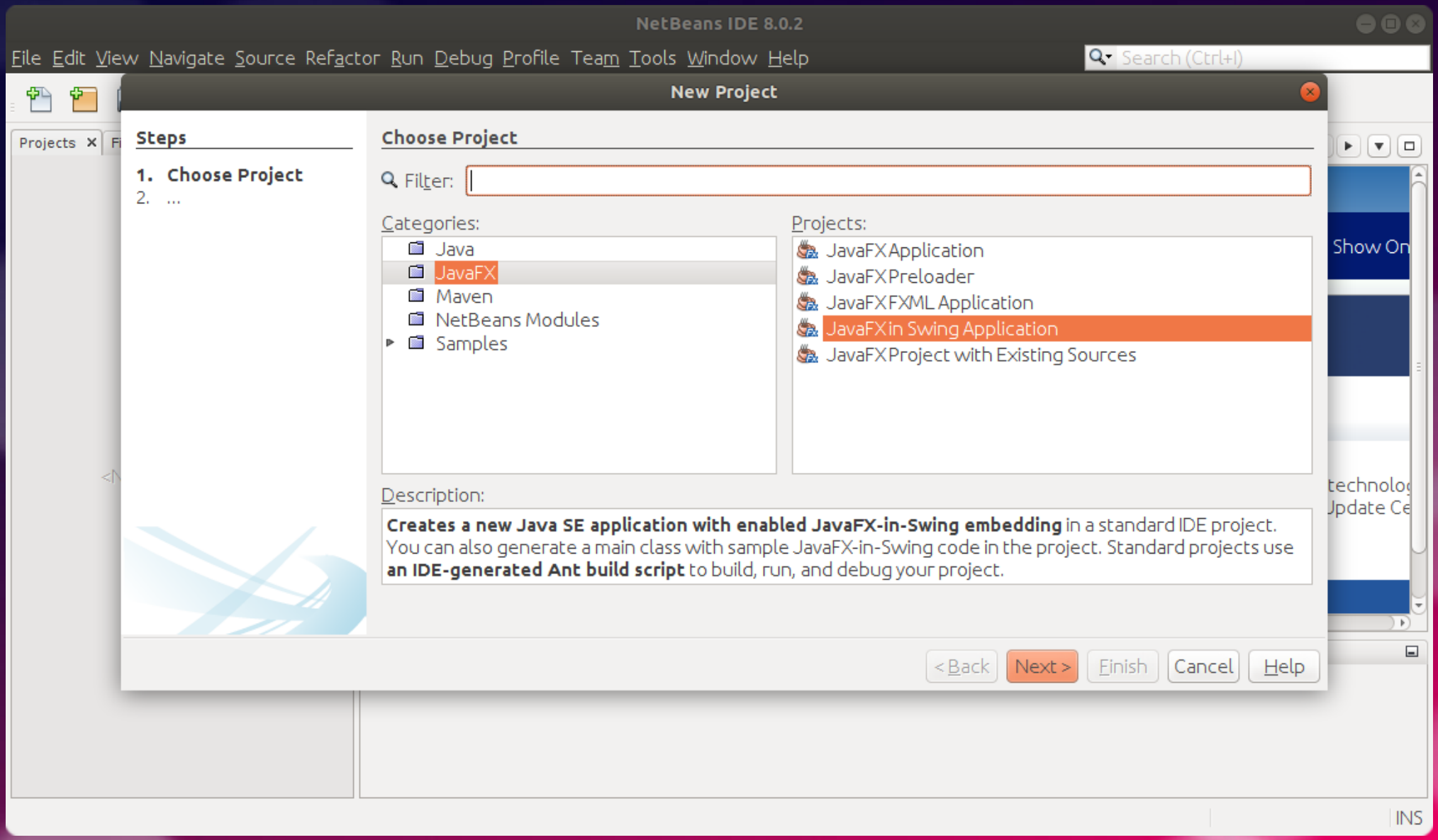
2. Pași simpli de urmat

a. Un nou proiect



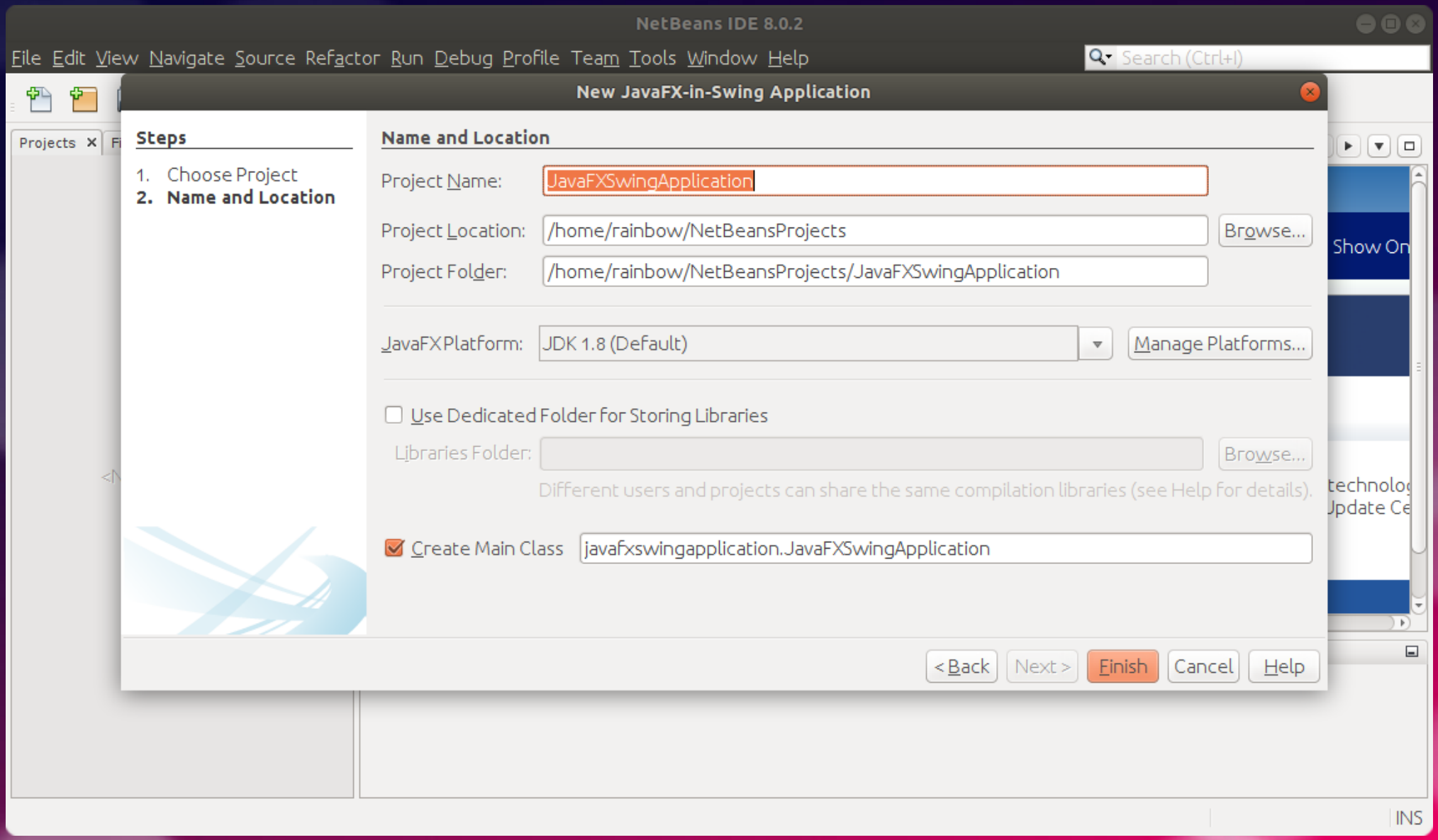
2. Pași simpli de urmat

b. Aplicație JavaFX cu obiecte Swing



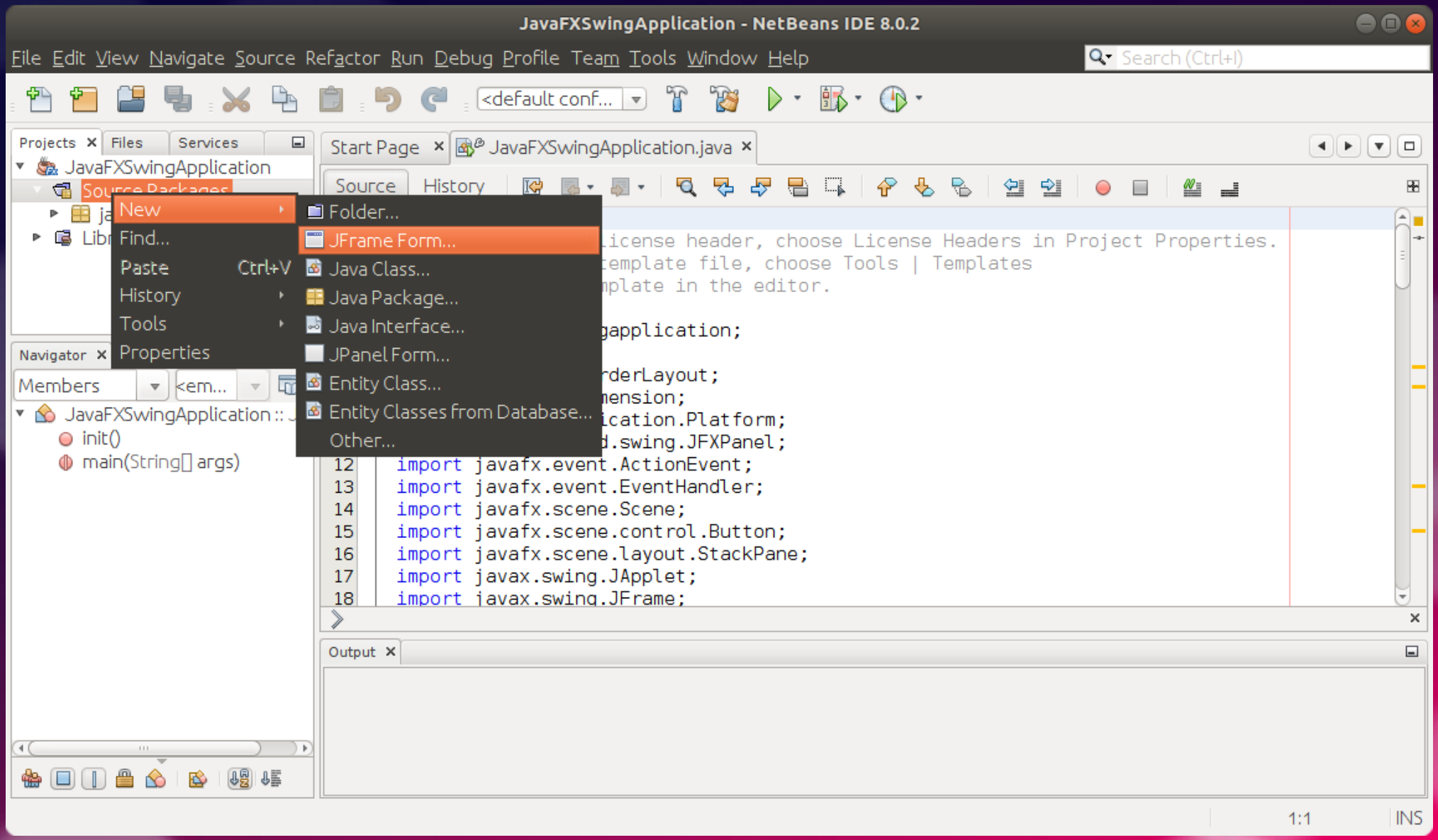
2. Pași simpli de urmat

c. Platforma de lucru



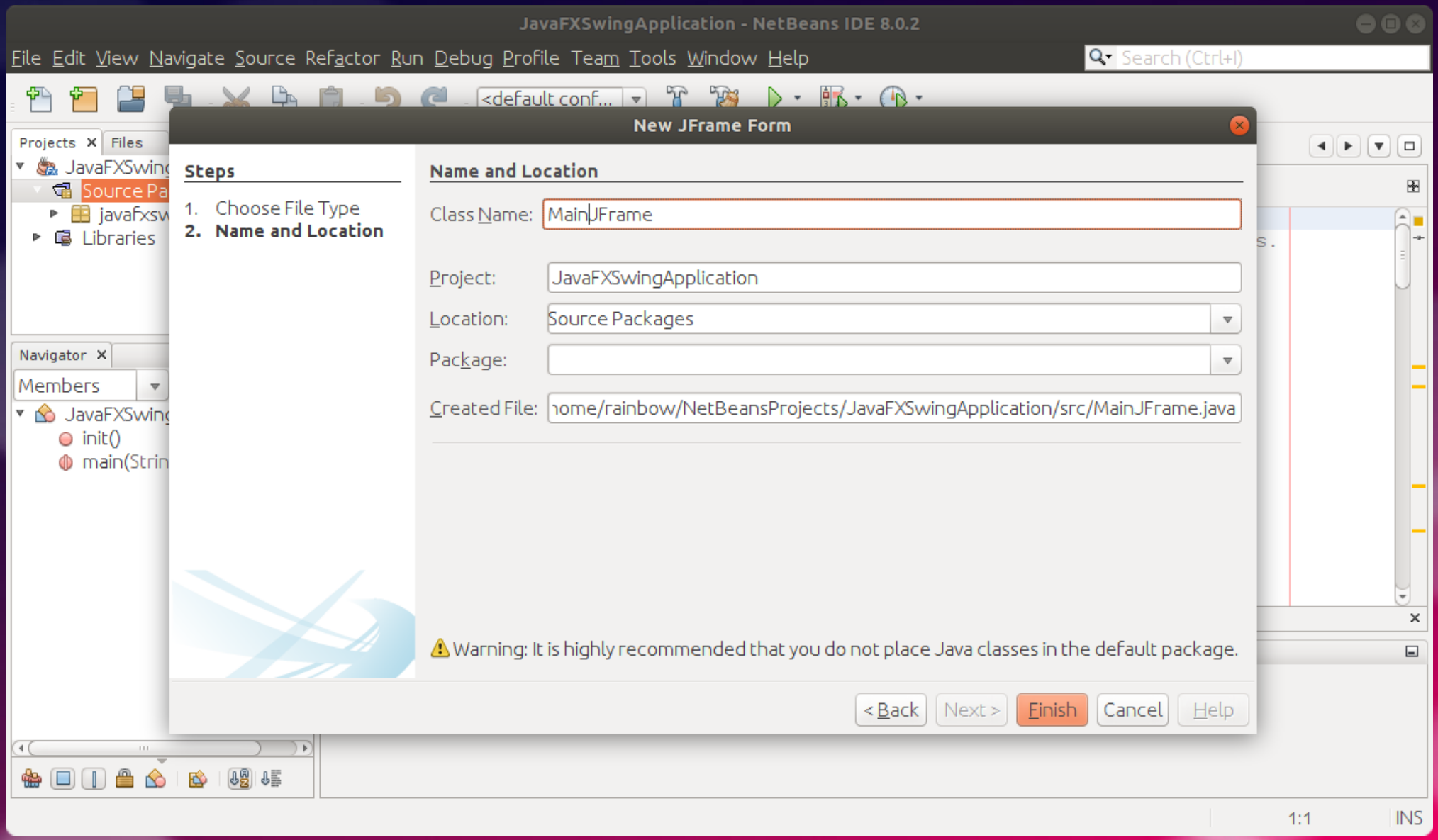
2. Pași simpli de urmat

d. Inserarea cadrului de lucru



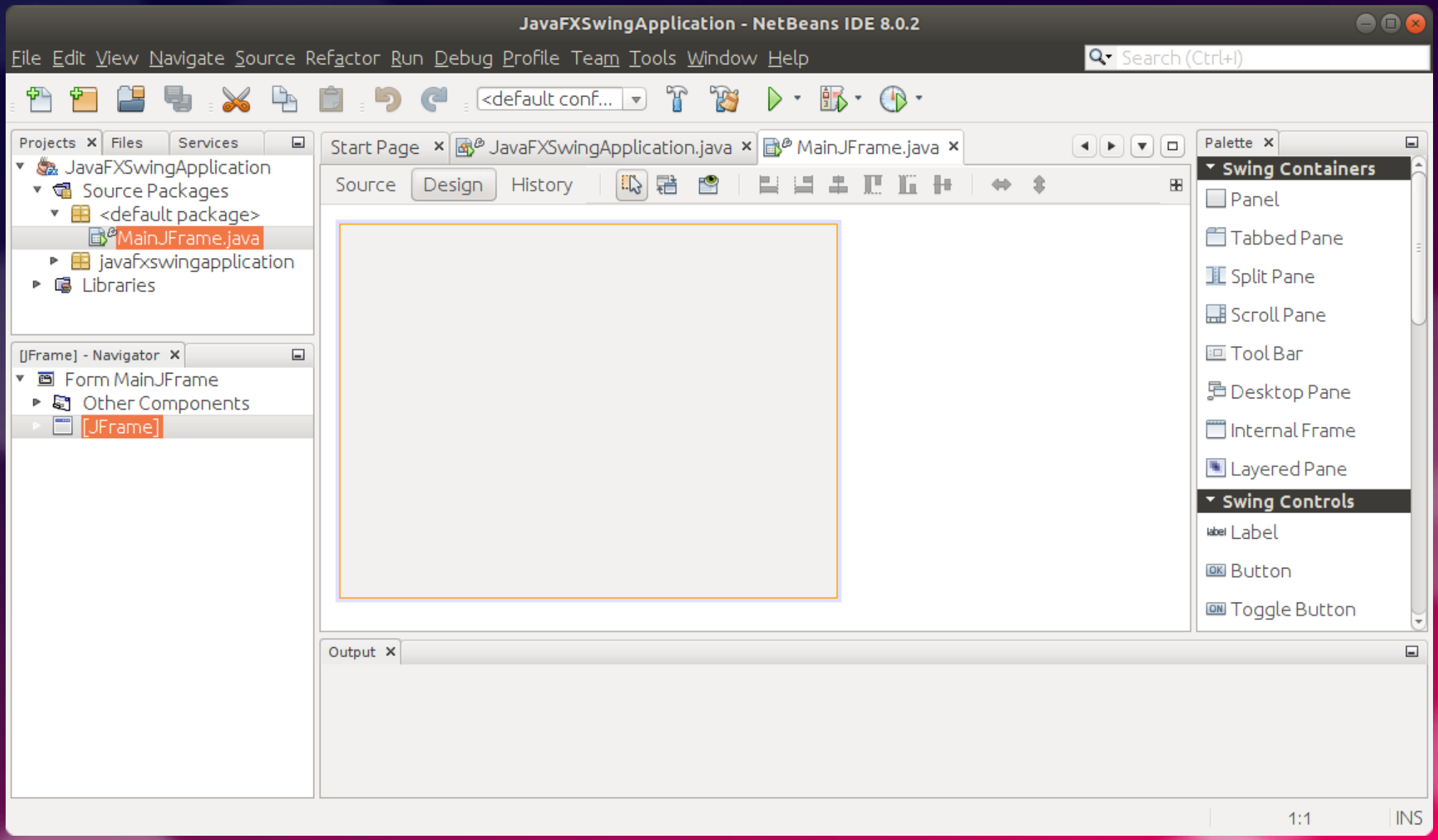
2. Pași simpli de urmat

e. Denumirea cadrului de lucru



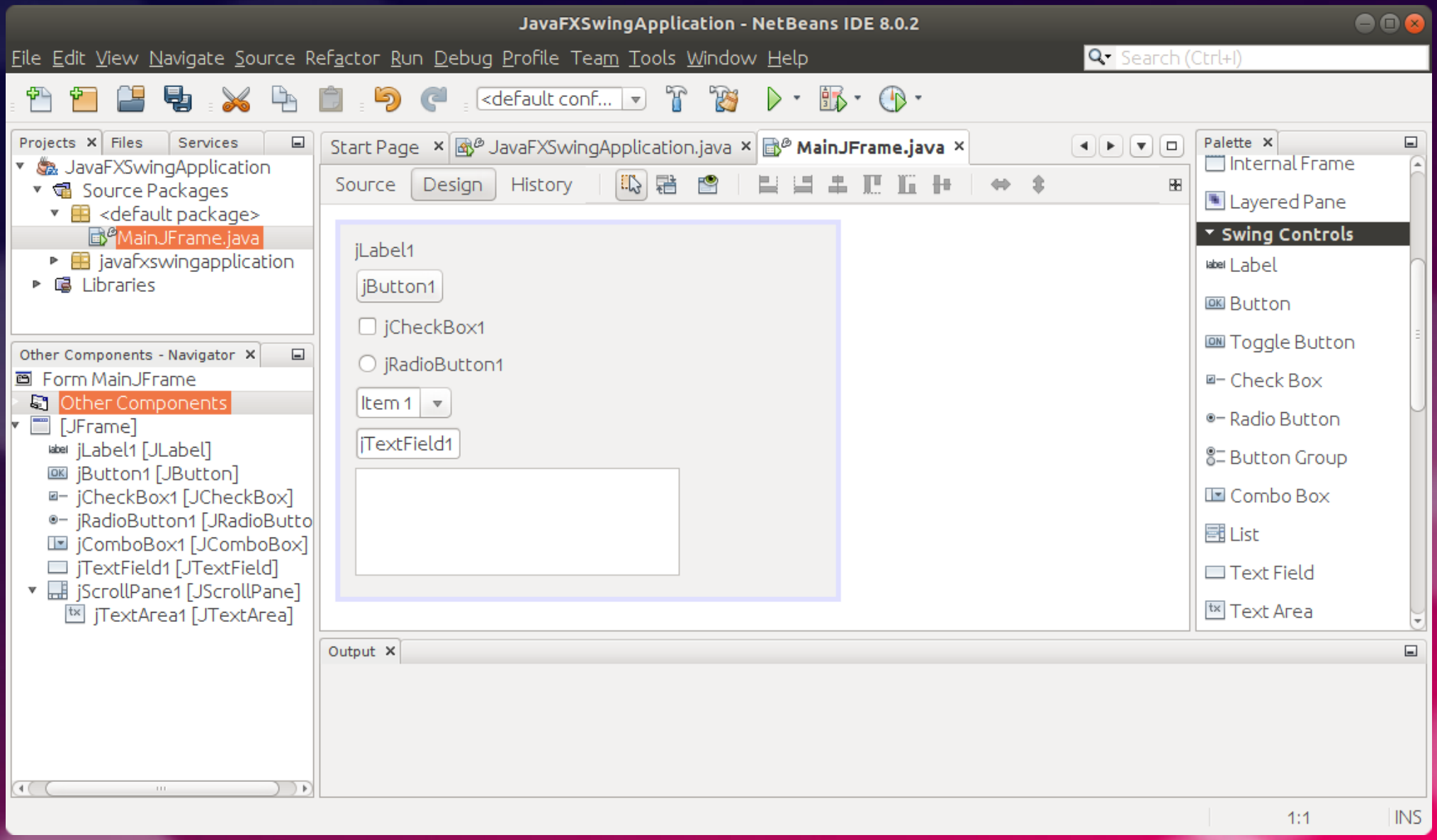
3. Aspecte grafice

a. Alegerea componentelor



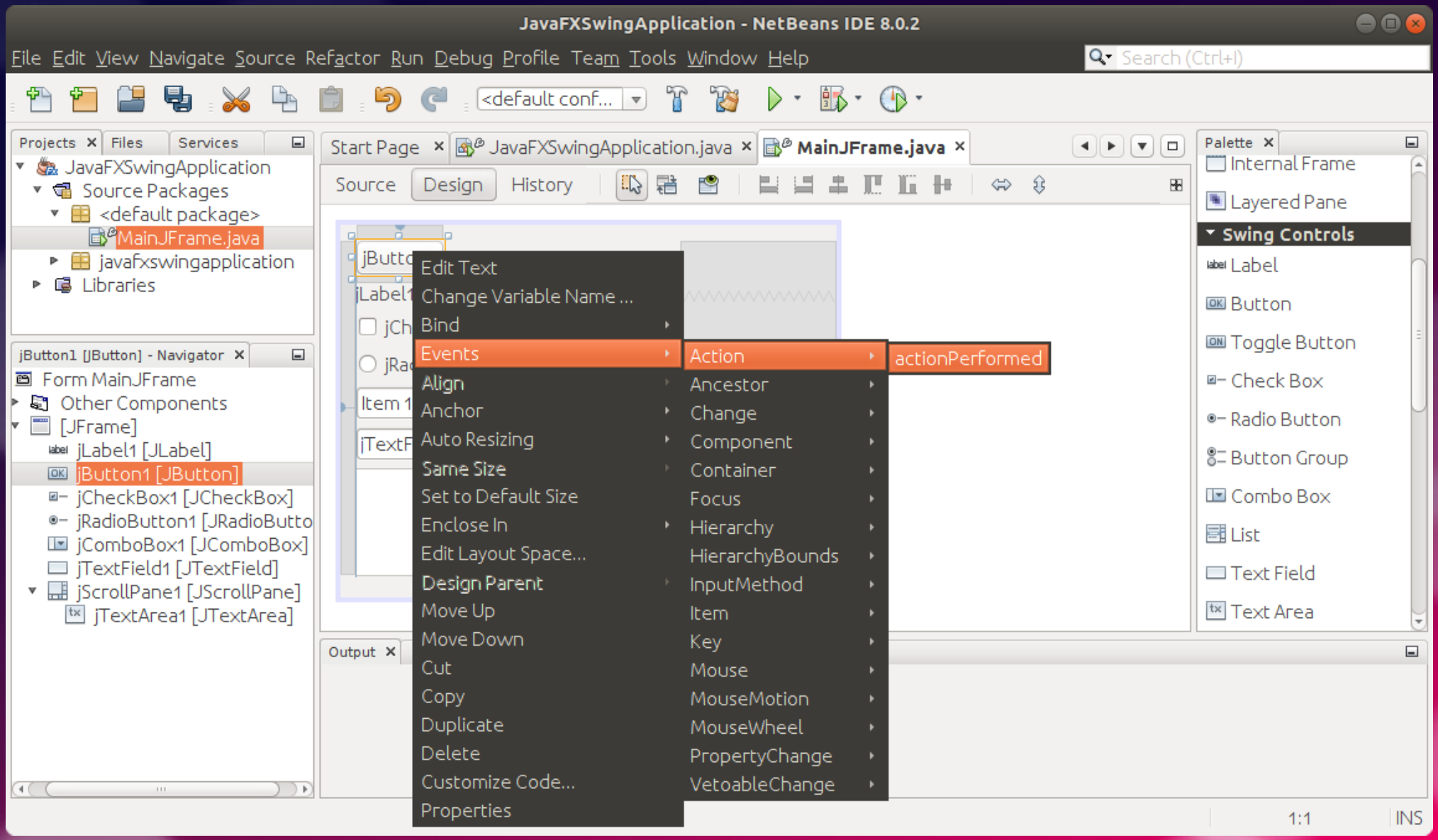
3. Aspecte grafice

b. Obiecte necesare



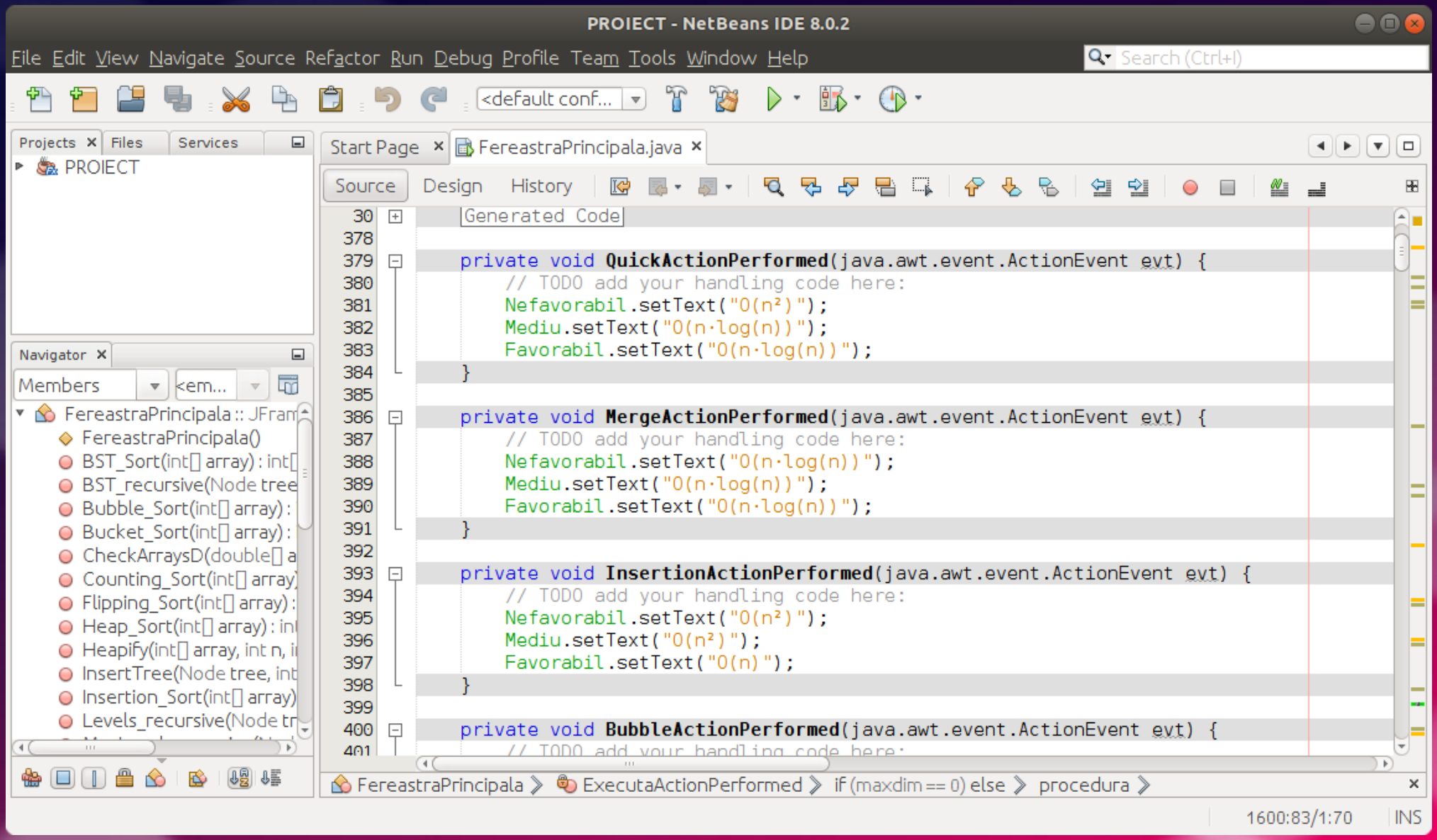
4. Funcționare obiecte

a. Obiecte și evenimente



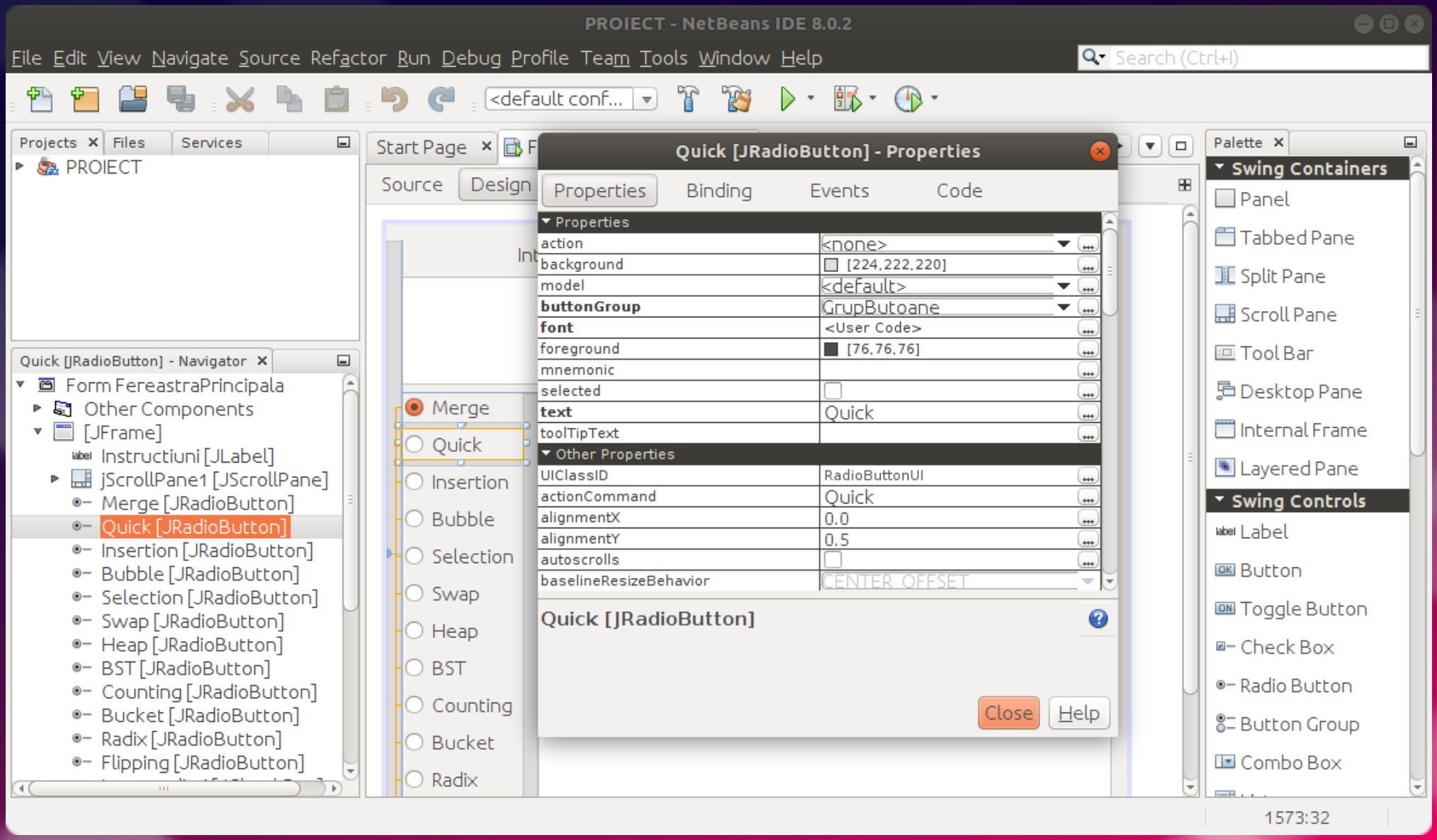
4. Funcționare obiecte

b. Butoane radio și selectarea lor



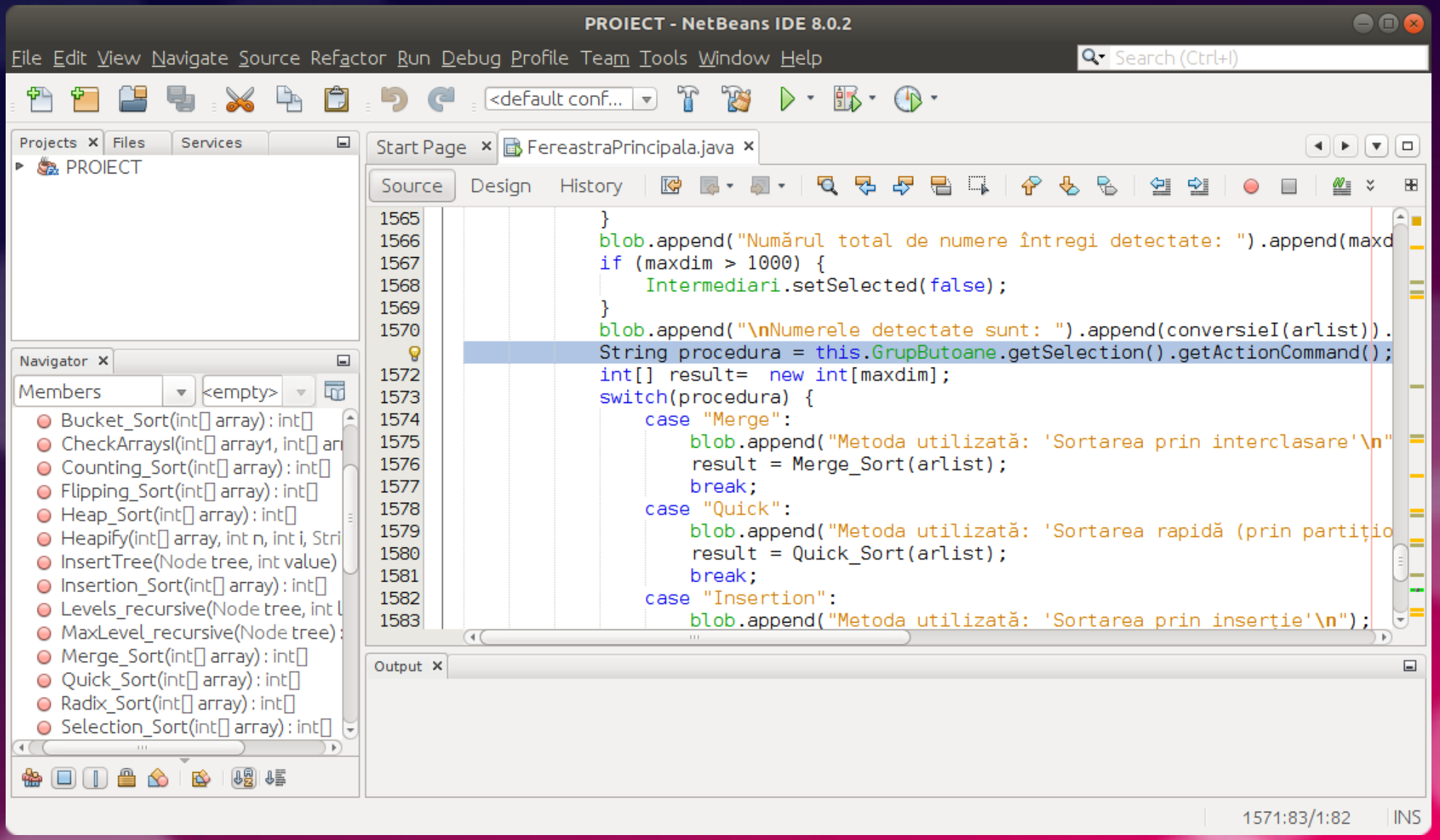
4. Funcționare obiecte

c. Grupuri de butoane



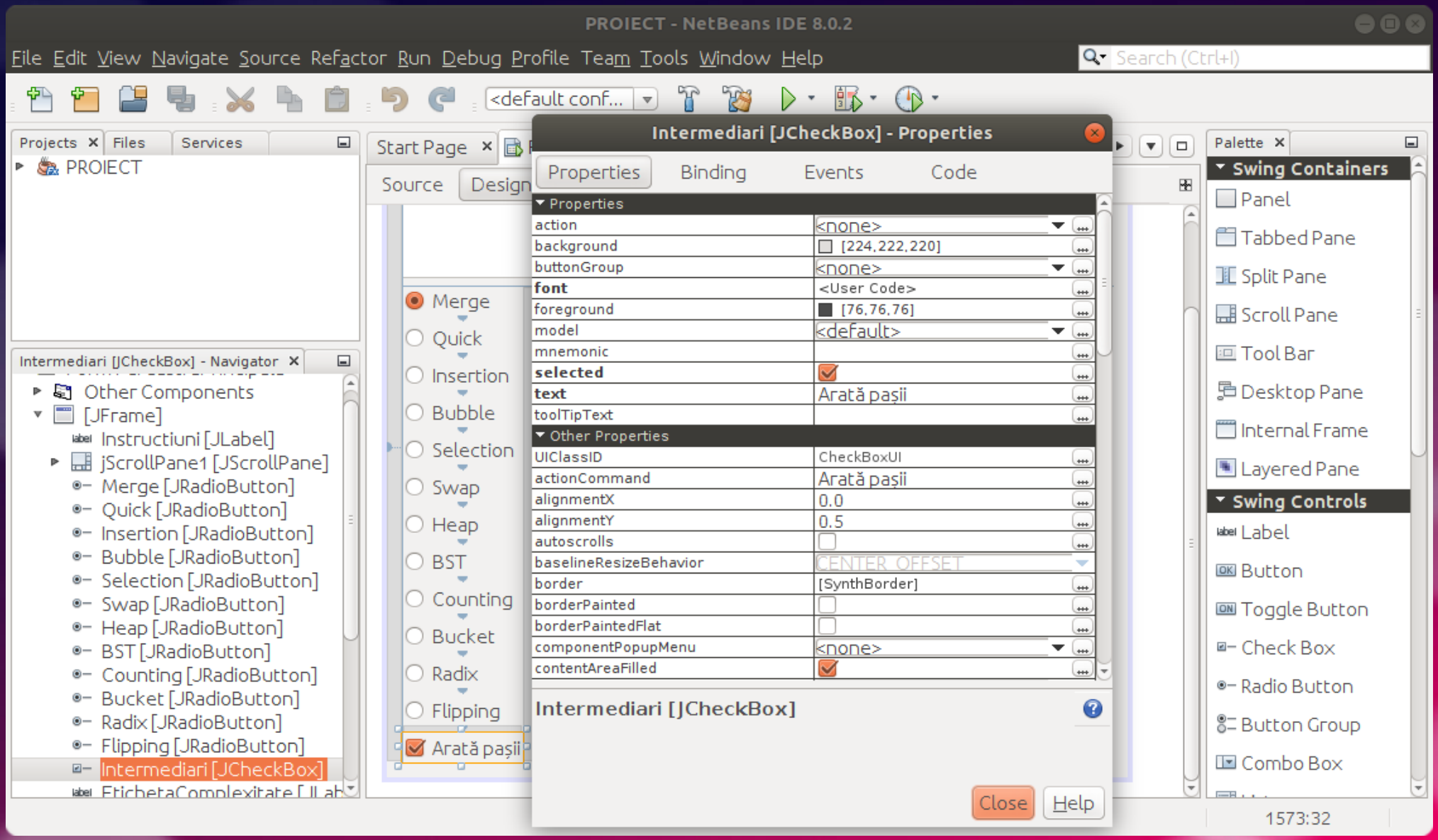
4. Funcționare obiecte

d. Atribute din grup



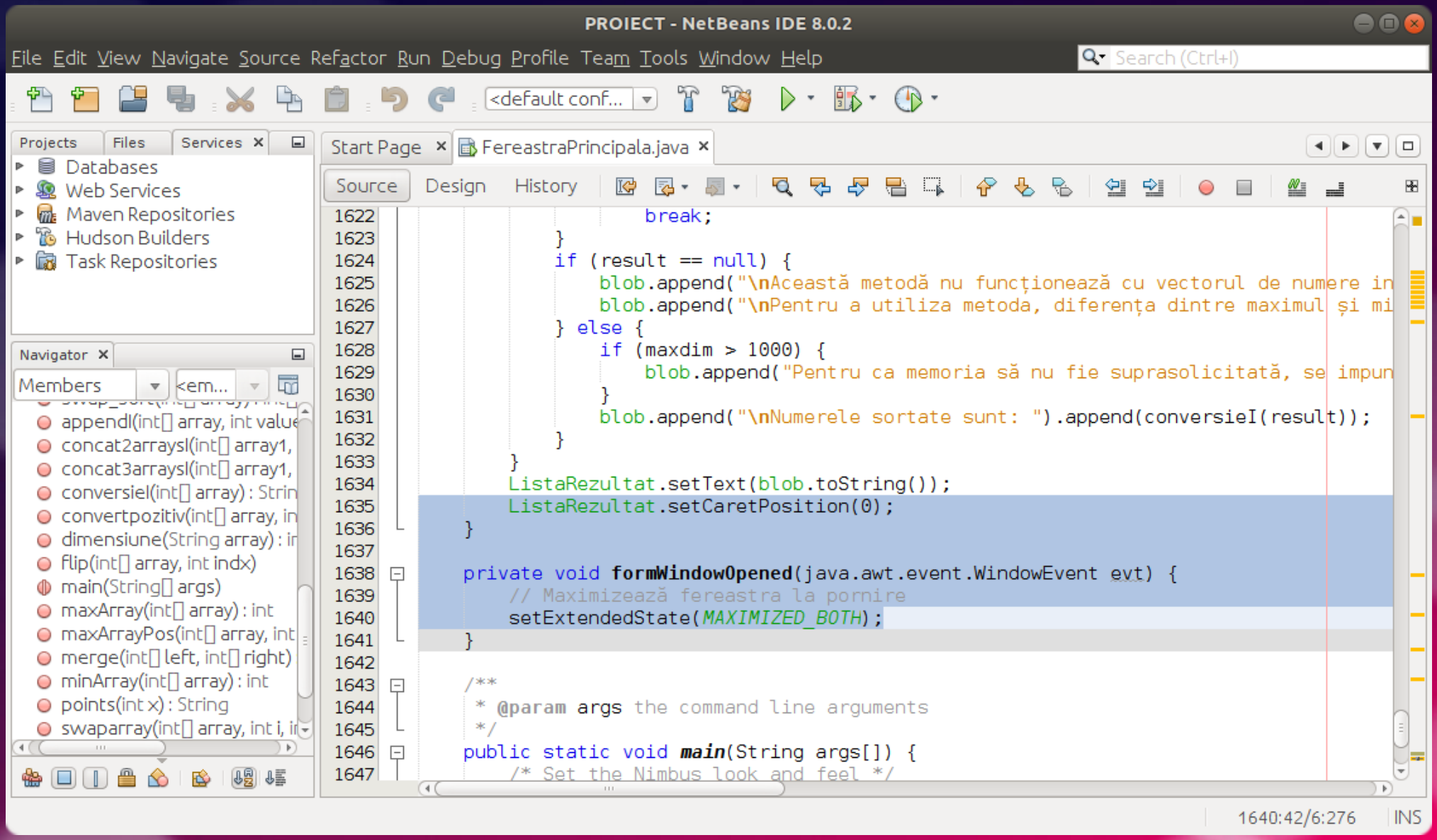
4. Funcționare obiecte

e. Checkbox



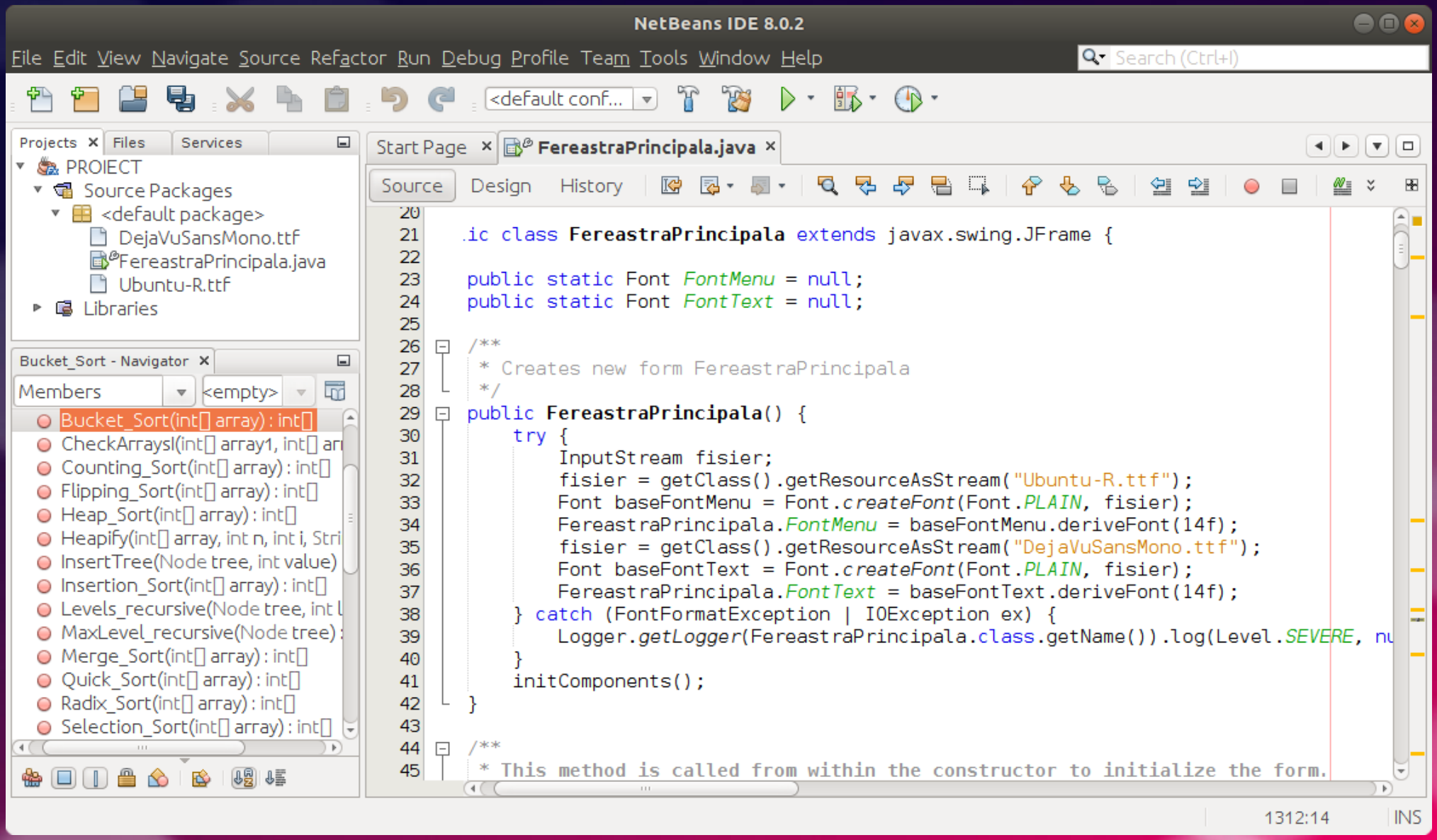
4. Funcționare obiecte

f. Poziționări



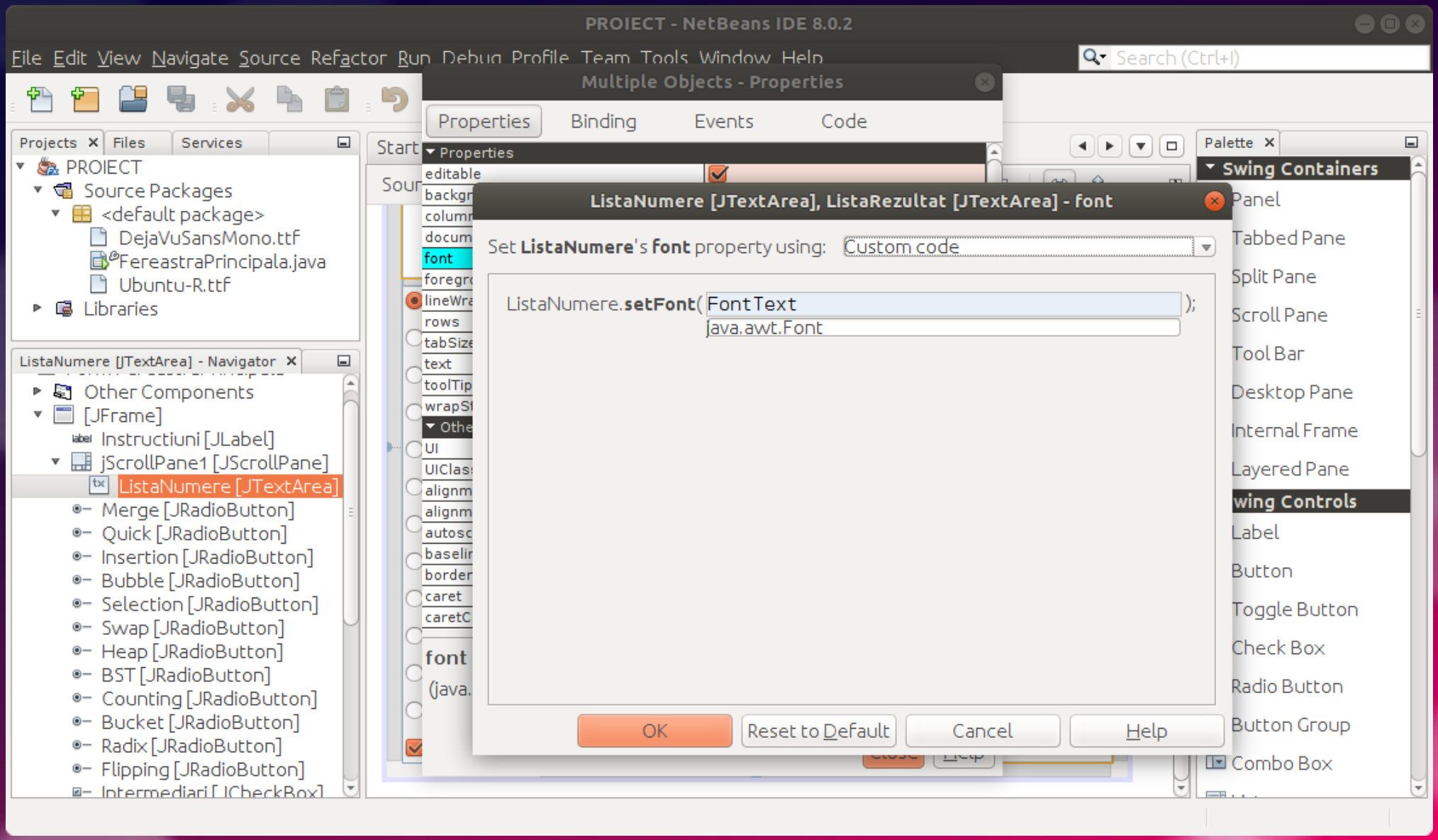
4. Funcționare obiecte

g. Inserare fonturi în aplicație



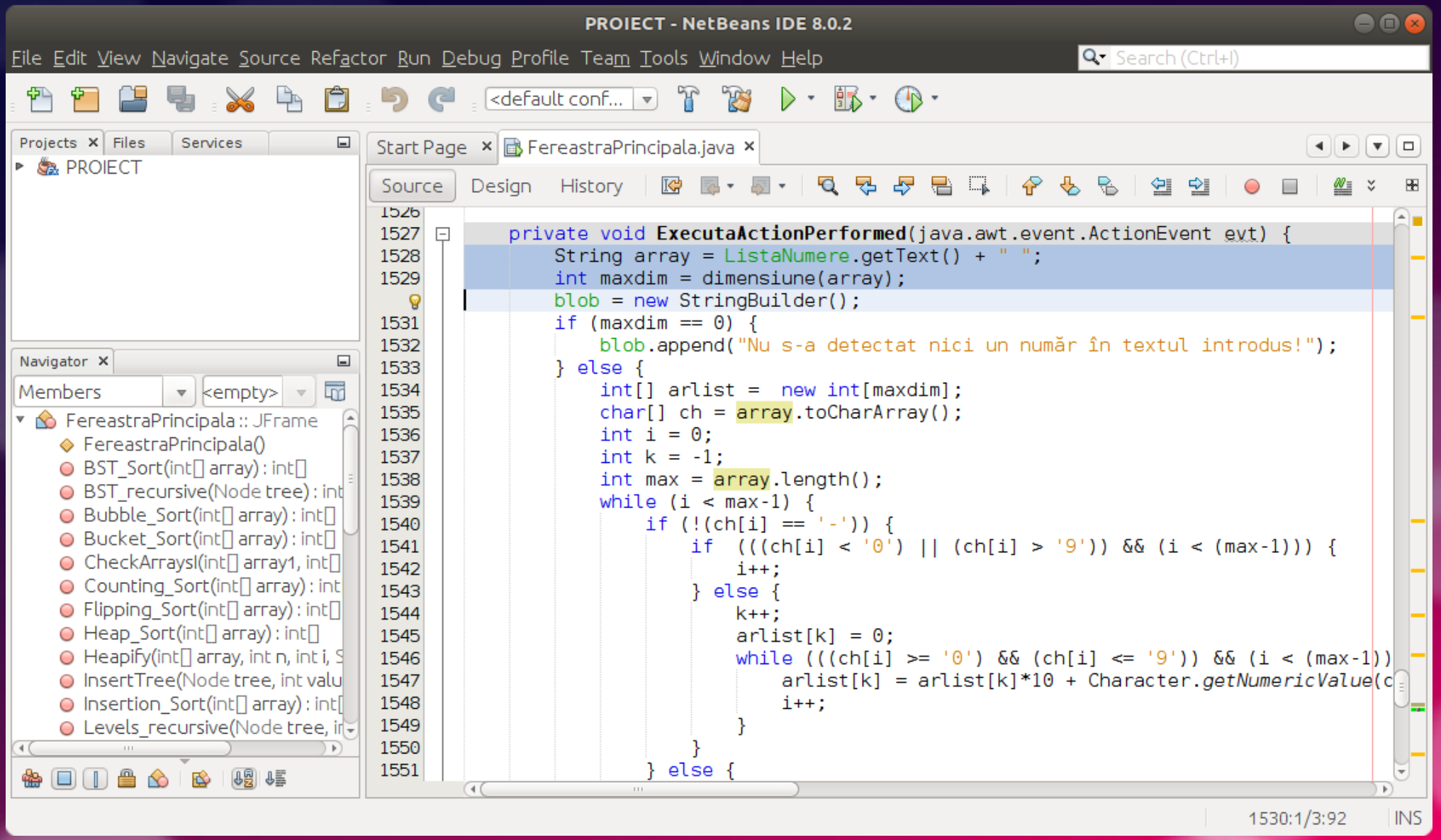
4. Funcționare obiecte

h. Utilizarea fonturilor



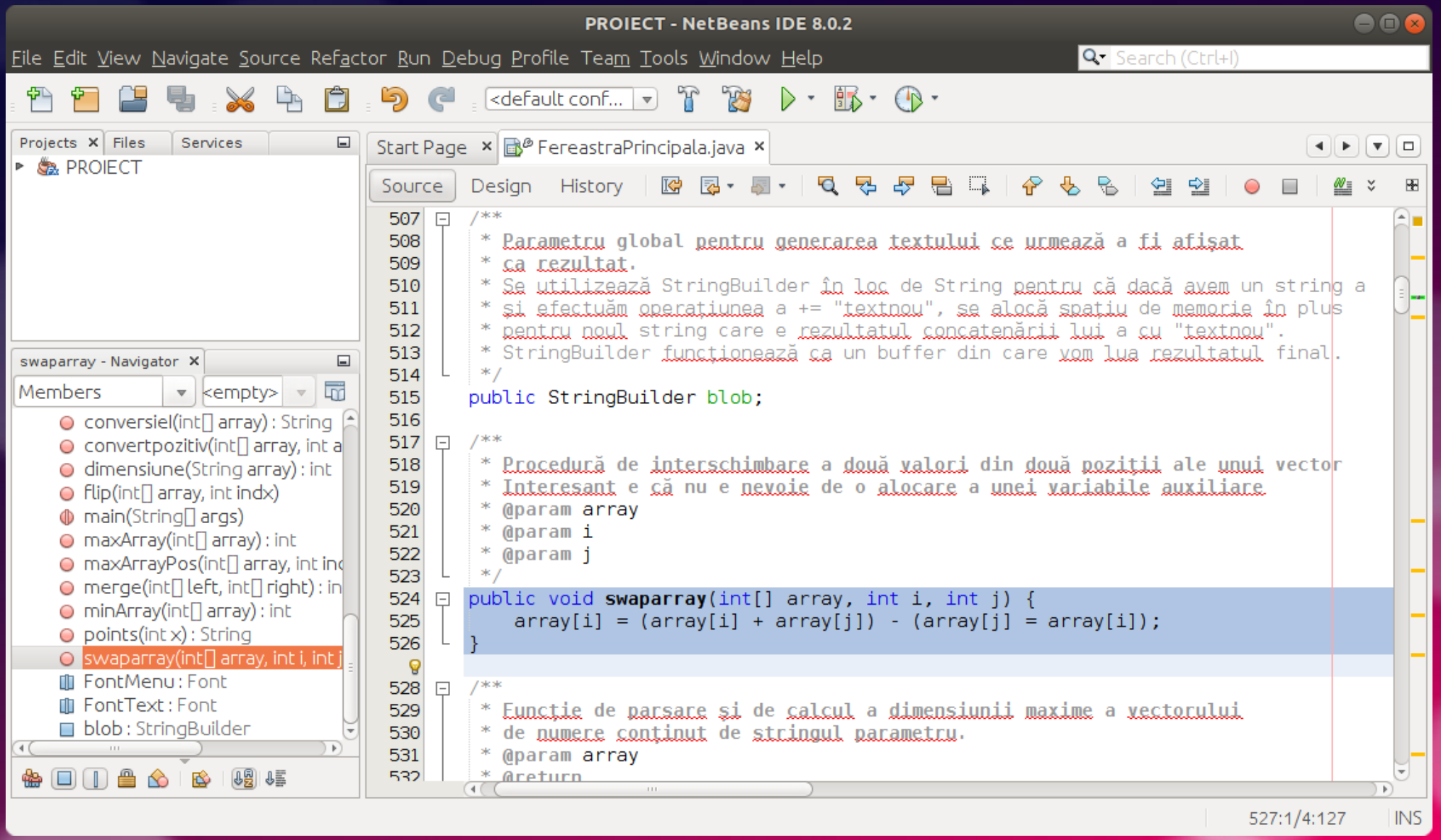
5. Programare Java

a. Date de intrare



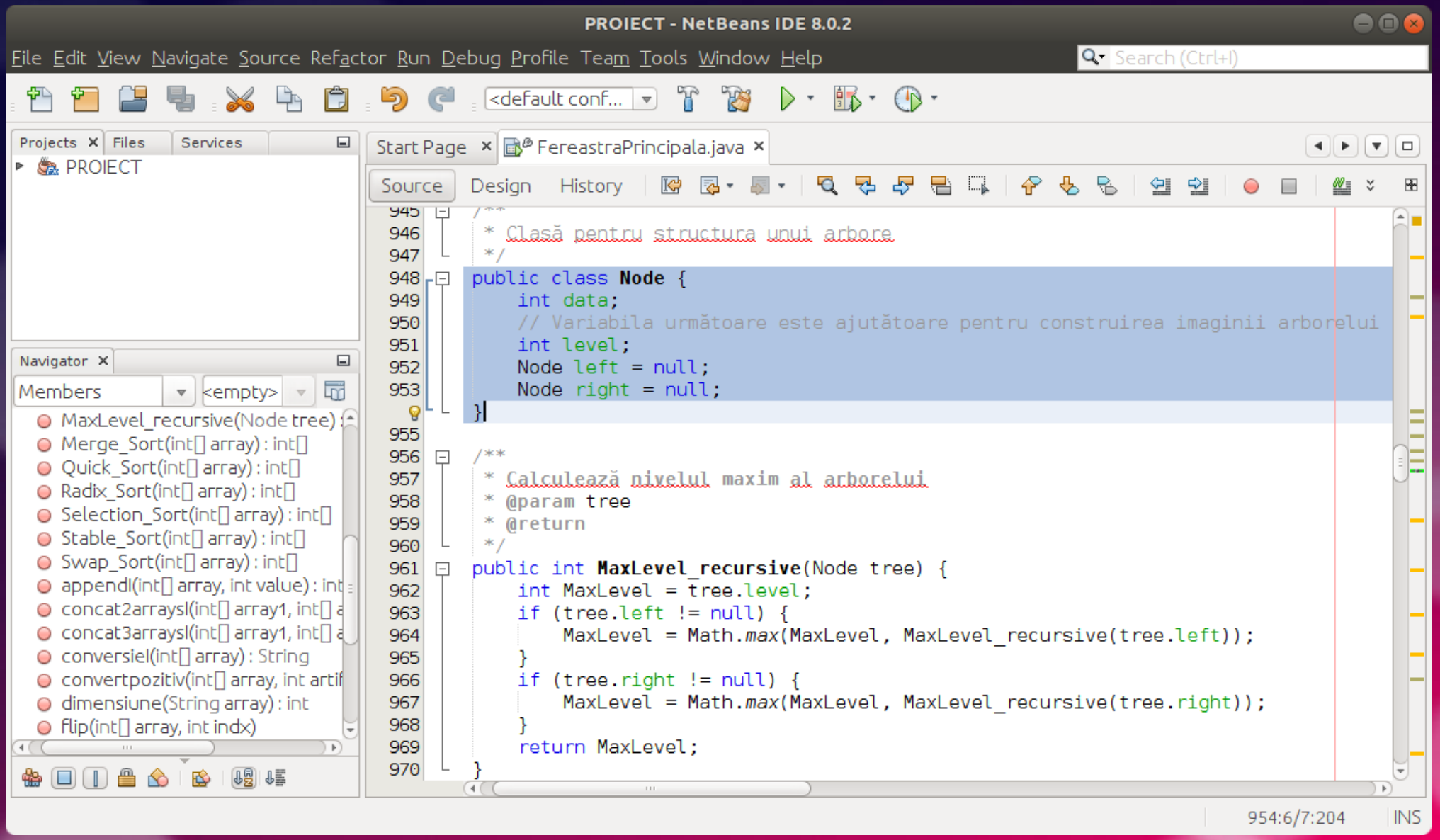
5. Programare Java

b. Variabile și proceduri



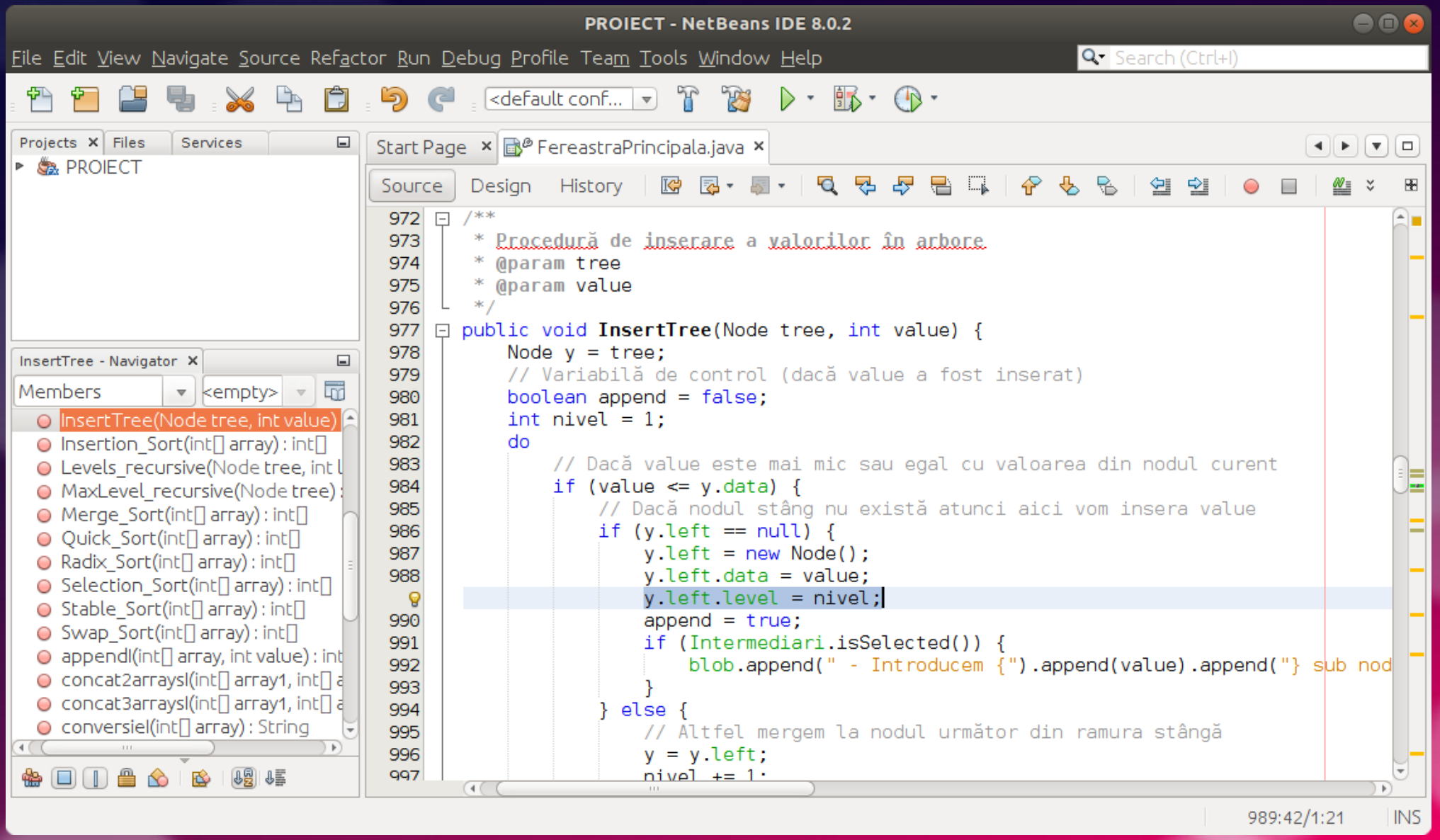
5. Programare Java

c. Structuri necesare



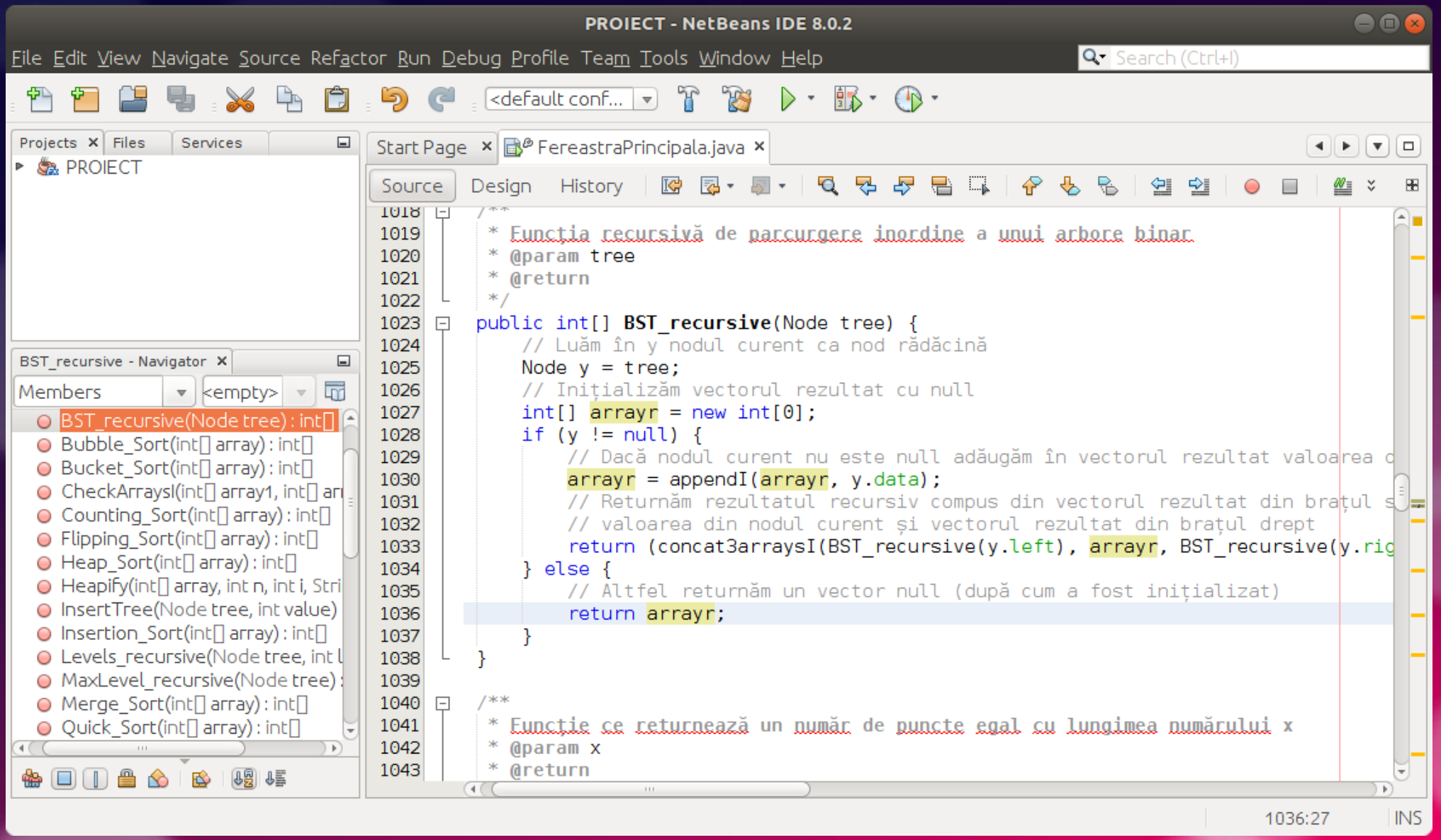
5. Programare Java

d. Populatea unui arbore



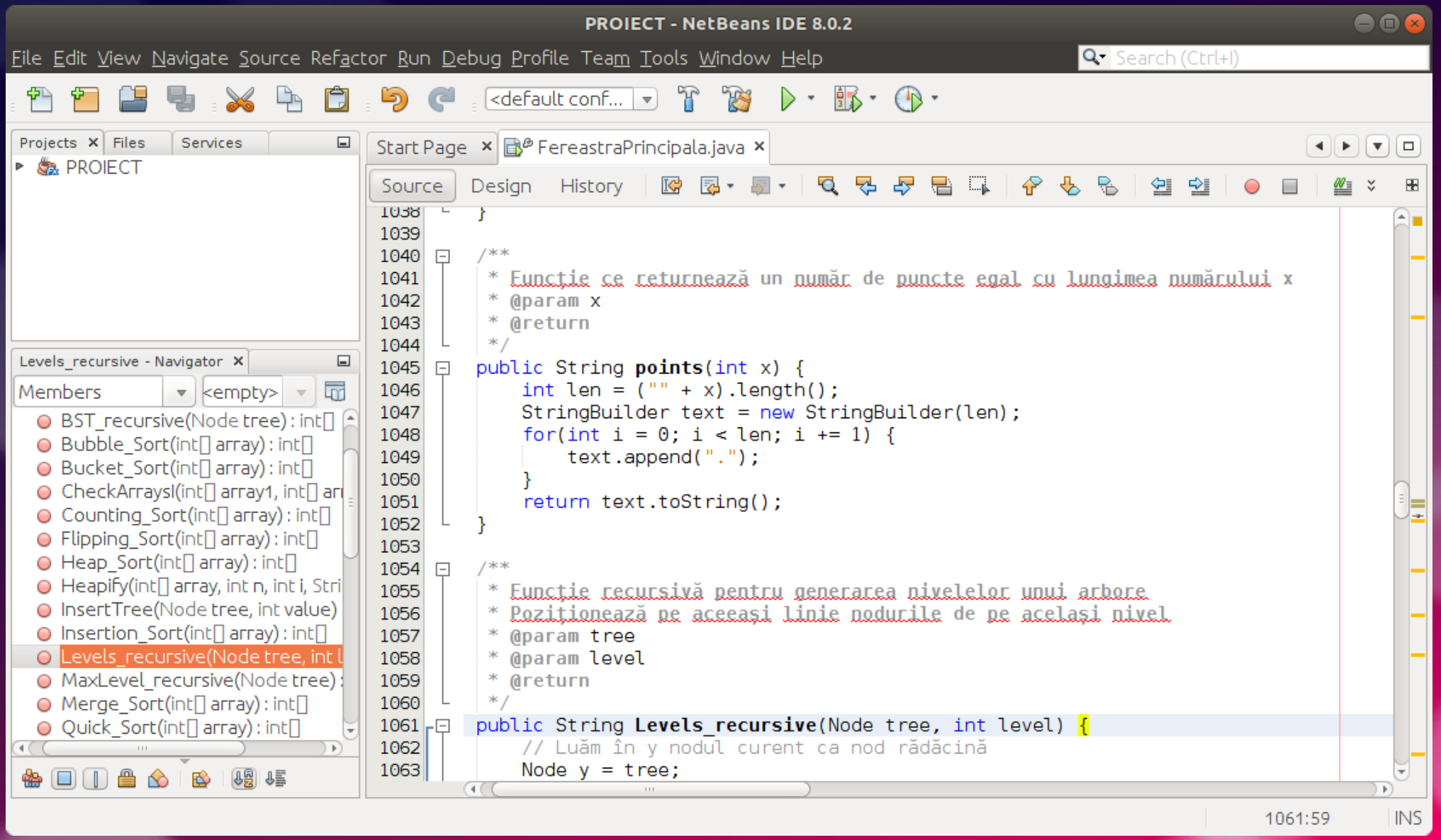
5. Programare Java

e. Funcții recursive



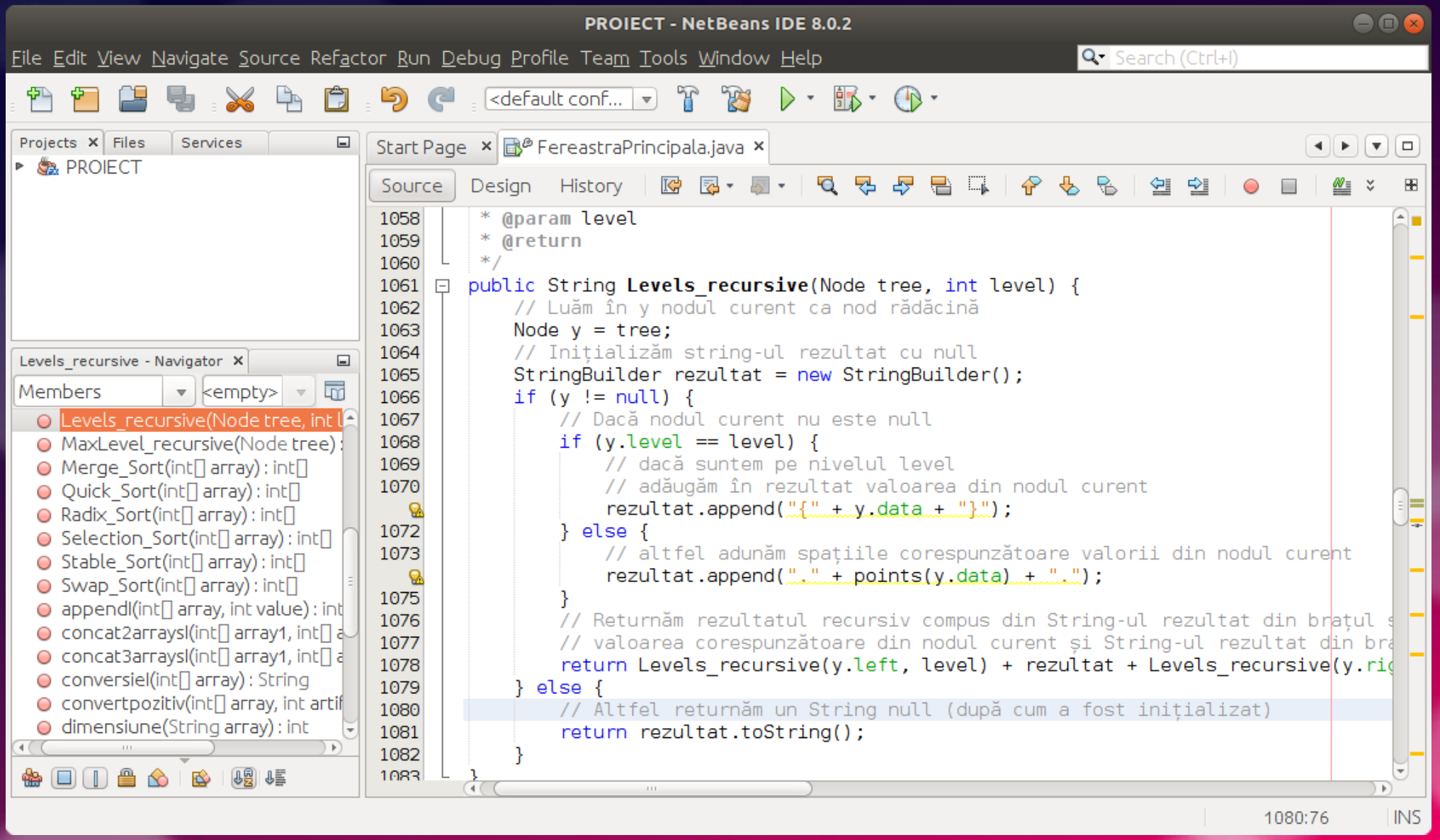
5. Programare Java

f. Puncte în locul numerelor



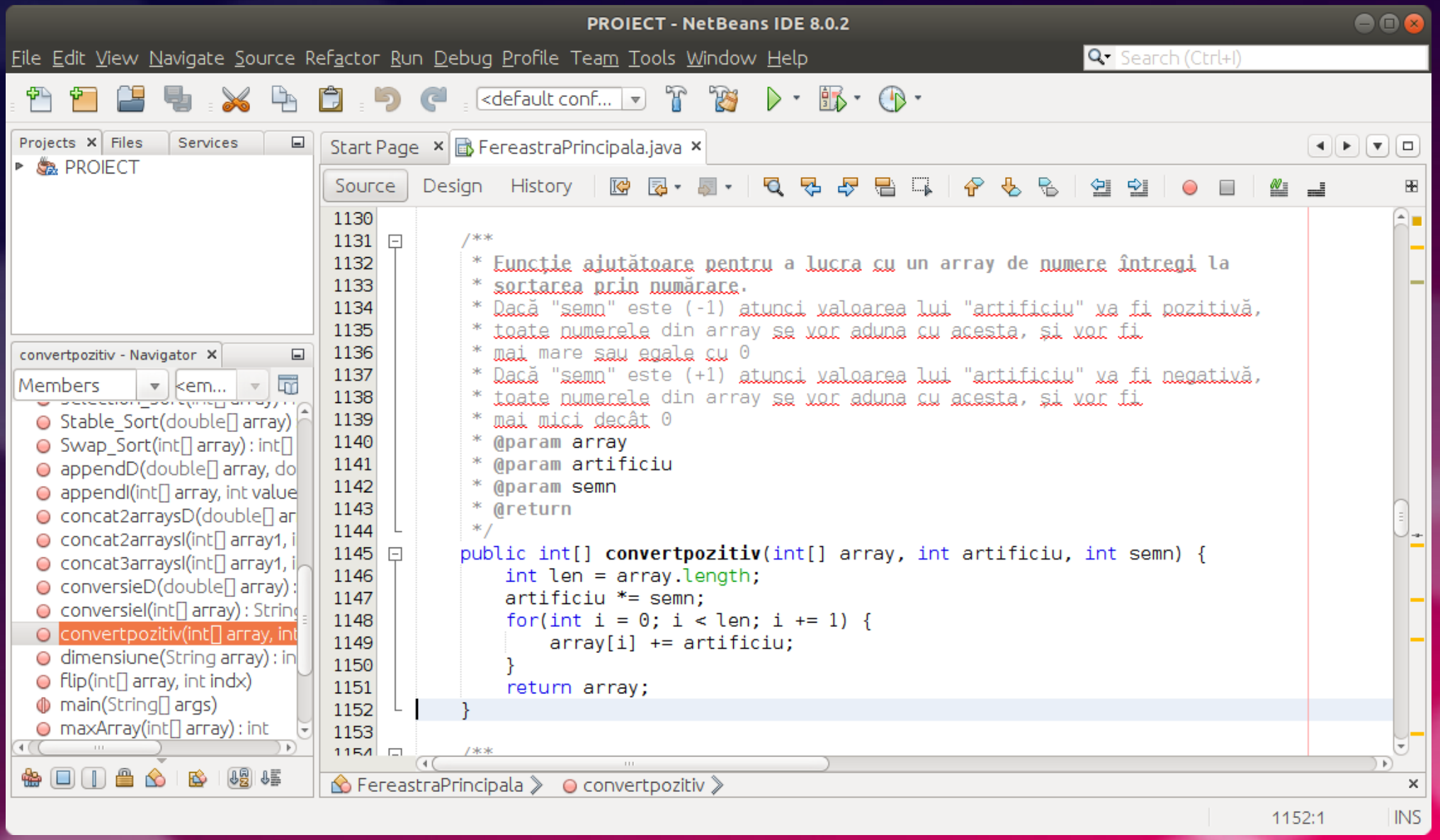
5. Programare Java

g. Vizualizare grafică a arborelui



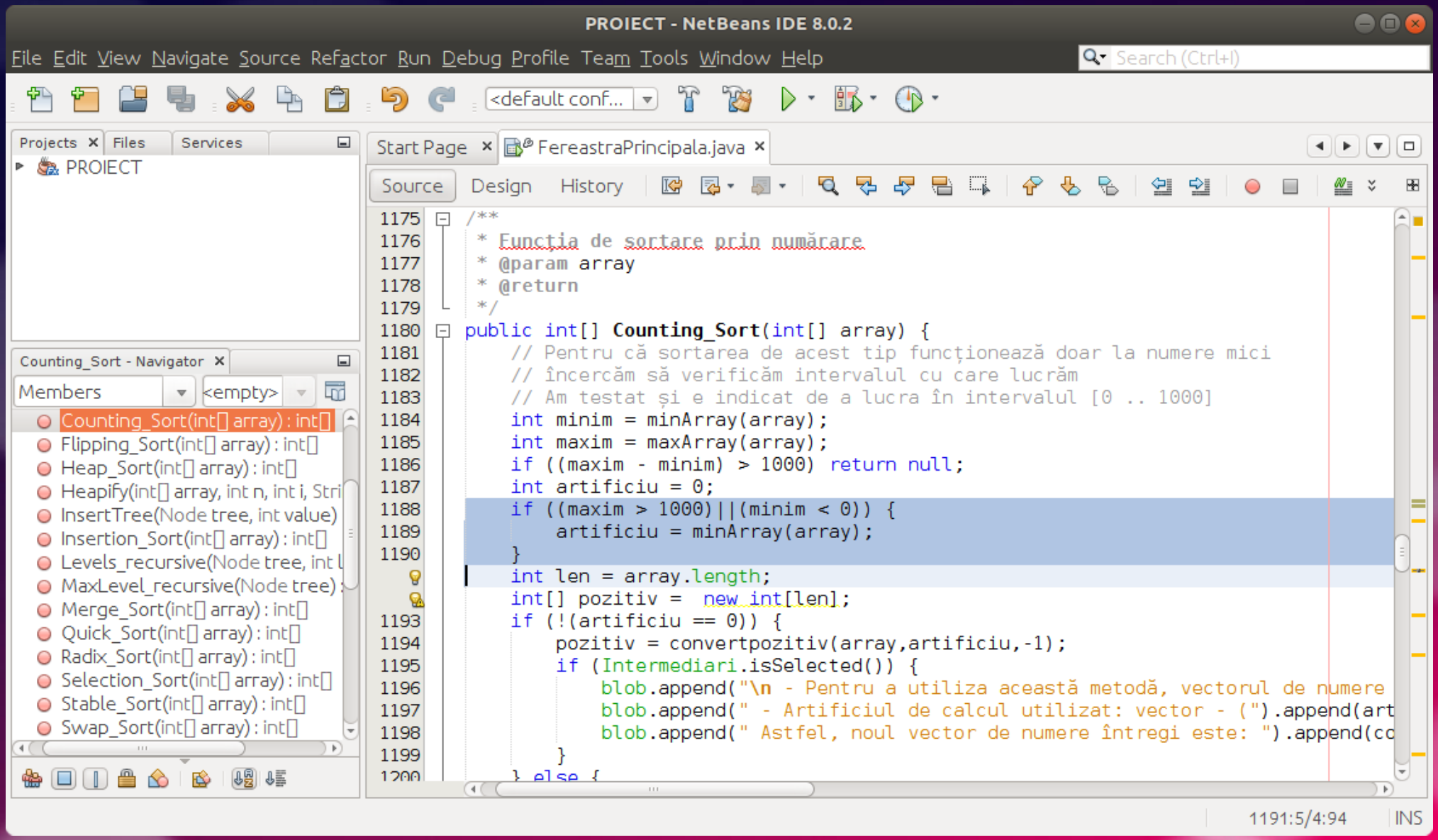
5. Programare Java

h. Artificiu de calcul



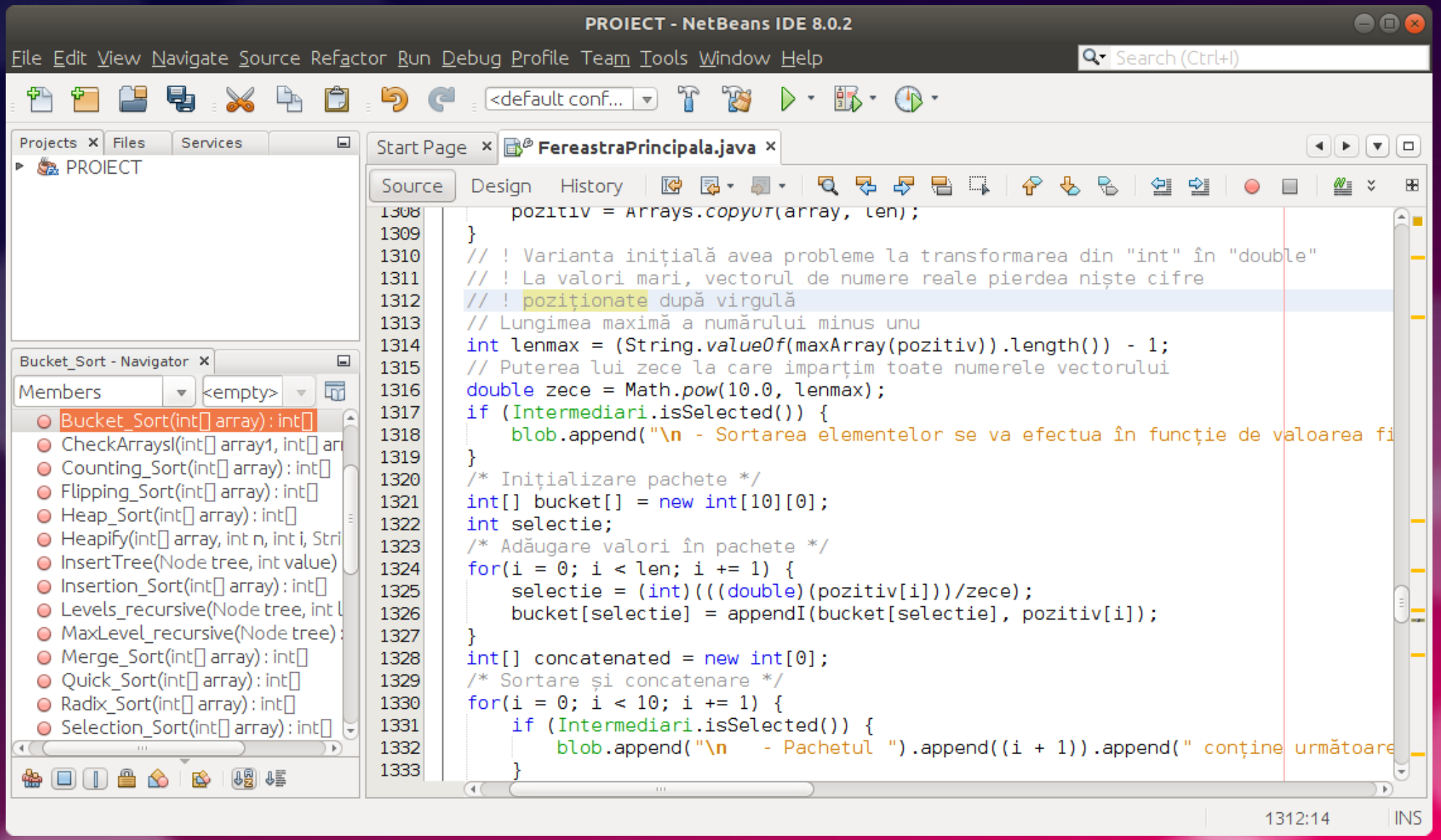
5. Programare Java

i. Restricții speciale



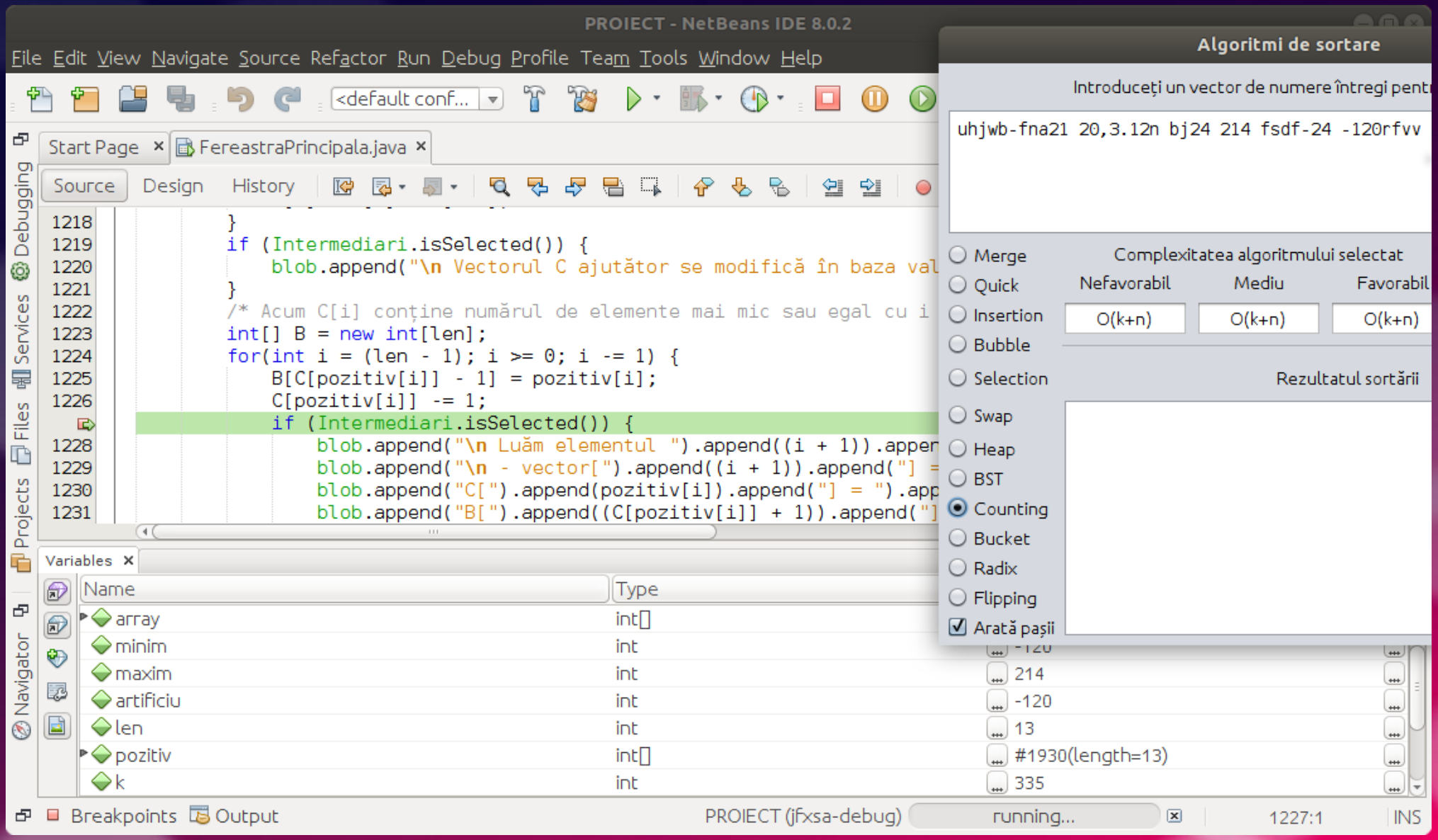
5. Programare Java

j. Conversii și cifre



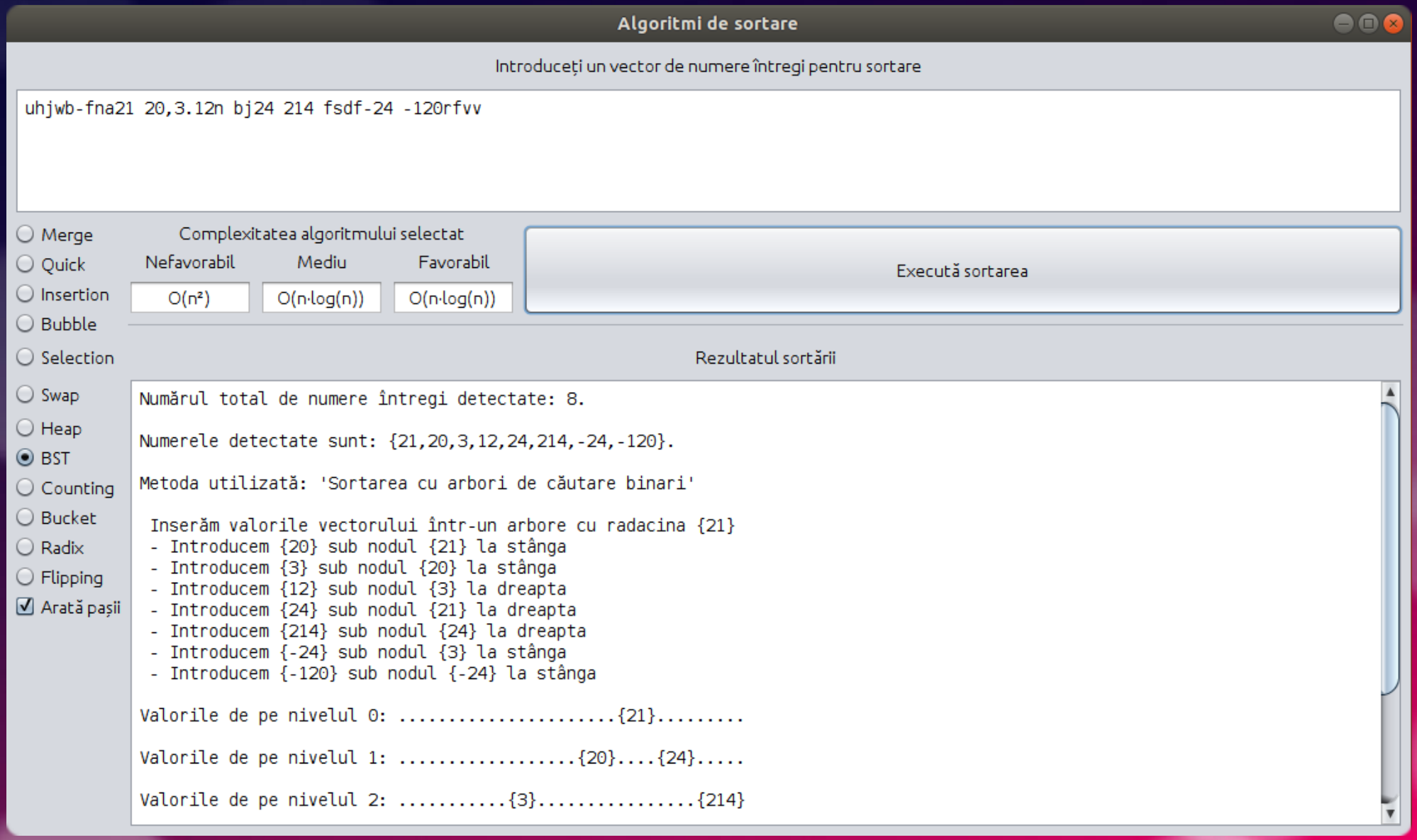
6. Testarea aplicației

a. Depanări



6. Testarea aplicației

b. Rezultate cu explicații



7. Concluzii

Scopul proiectului este unul didactic.

Am aplicat principiile teoretice pentru a vedea funcționarea lor în practică.

Concret, am dezasamblat bucățică cu bucățică un „mecanism” pentru a vedea cum funcționează și din ce este compus.