

# APLICATIE DESKTOP: STUDENT MANAGEMENT

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CR 3.1B

## Detalii despre aplicatie

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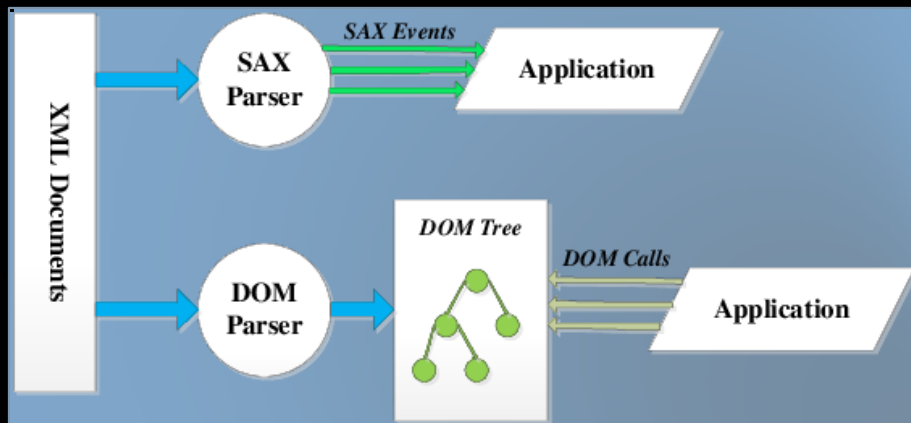
Generate to XML

- ❖ Aplicatia administreaza mai multe fisiere XML ce contin date despre studenti, note si materii.
- ❖ Scopul aplicatiei este de a prelucra aceste date si de a genera un raport pentru o disciplina specificata intr-un fisier XML.
- ❖ Aplicatia foloseste GUI care contine funtionalitati de acces pentru cele trei fisiere XML de input, popularea cu informatiile din cele 3 fisiere in tabele si afisarea acestora intr-un gridview in GUI, cat si un buton pentru generarea fisierului de output.

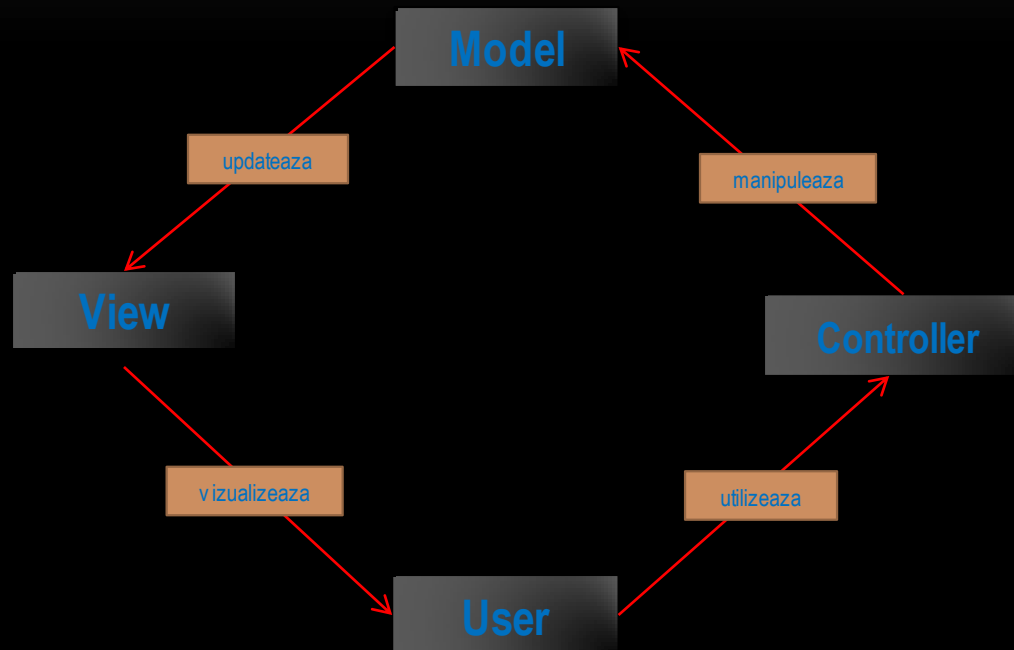
# TEHNOLOGII UTILIZATE



- Folosirea limbajului de programare Java, mediul de dezvoltare este IntelliJ IDEA.
- Aplicatia respecta modelul de MVC astfel:
  1. Partea de model este asigurata de baza de date in XML.
  2. Partea de view este realizata cu Java Swing.
  3. Partea de controller este data de logica aplicatiei.



# ARHITECTURA SOFTWARE



## Referinte

1. [HTTPS://DOCS.ORACLE.COM/JAVASE/TUTORIAL/UISWING/](https://docs.oracle.com/javase/tutorial/uiswing/)
2. [HTTPS://WWW.GEEKSFORGEEEKS.ORG/DIFFERENCE-BETWEEN-SAX-PARSER-AND-DOM-PARSER-IN-JAVA/](https://www.geeksforgeeks.org/difference-between-sax-parser-and-dom-parser-in-java/)
3. [HTTPS://WWW.JAVATPOINT.COM/XML-PARSERS](https://www.javatpoint.com/xml-parsers)
4. [HTTPS://EN.WIKIPEDIA.ORG/WIKI/SWING\\_\(JAVA\)](https://en.wikipedia.org/wiki/Swing_(Java))
5. [HTTPS://WWW.GEEKSFORGEEEKS.ORG/INTRODUCTION-TO-JAVA-SWING/](https://www.geeksforgeeks.org/introduction-to-java-swing/)
6. [HTTPS://WWW.JAVATPOINT.COM/MVC-ARCHITECTURE-IN-JAVA#:~:TEXT=THE%20MODEL%2DVIEW%2DCONTROLLER%20\(PRESENTATION%20INFORMATION%20AND%20CONTROL%20INFORMATION.](https://www.javatpoint.com/mvc-architecture-in-java#:~:text=THE%20MODEL%2DVIEW%2DCONTROLLER%20(PRESENTATION%20INFORMATION%20AND%20CONTROL%20INFORMATION.)
7. [HTTPS://WWW.TUTORIALSPPOINT.COM/DESIGN\\_PATTERN/MVC\\_PATTERN.HTM](https://www.tutorialspoint.com/design_pattern/mvc_pattern.htm)