## **OBJECT ORIENTED VERSION PROGRMAMING**

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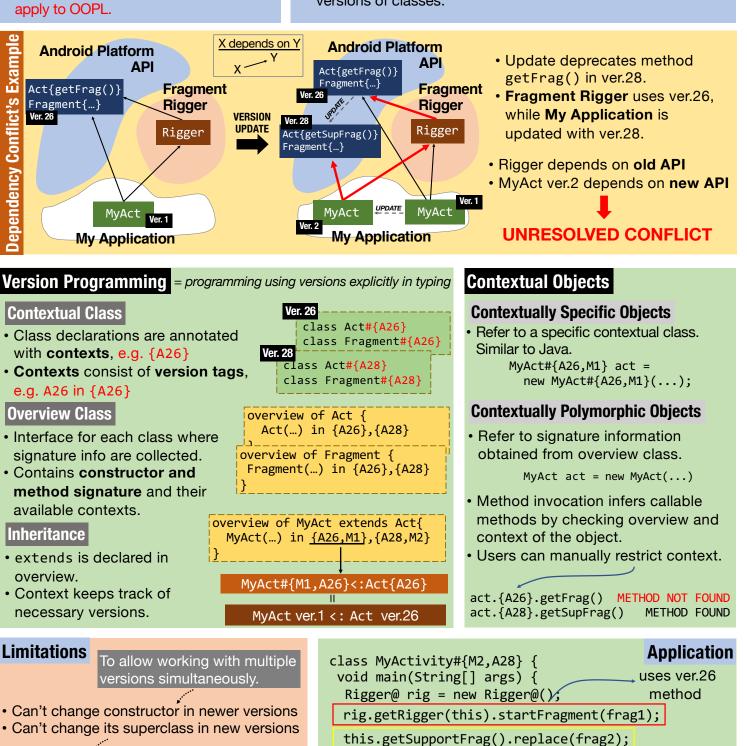
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- Dependency relation between programs is convoluted: conflicts among dependencies upon updates
- Version is a common identifier used in distinguishing programs: use in a typesafe system to increase flexibility.
- LambdaVL[1], functional programming language with versioned type:

## **Related Work**

- The compiler is built by using an extensible compiler called **ExtendJ**[3].
- The core calculus is built on Featherweight Java[2], a minimal Java language.
  - Proposal BatakJava, Java language extended with versions.
  - **FBJ**, a core calculus ensuring the existence of necessary versions of classes.



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Relaxing these is left as future work

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1] Yudai Tanabe, Tomoyuki Aotani, Hidehiko

Masuhara. A Context-Oriented Programming Approach to Dependency Hell. COP 2018 [2] Atsushi Igarashi, et. al. Featherweight Java: a minimal core calculus for Java and GJ. 2001.

[3] Jesper Öqvist. ExtendJ: extensible Java compiler. 2018.

uses ver.28

method