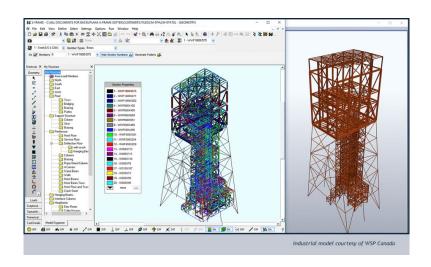
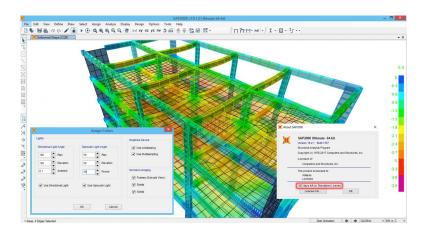
# Finite element based structural analysis

Group 20
E/14/158 Gihan Jayatilaka
E/14/339 Suren Sritharan
E/14/379 Harshana Weligampola

## **Problem**





#### **Predict**

- Deformations
- Failures of structures under different loading conditions

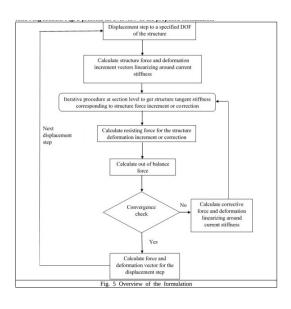
Linear/Non-Linear

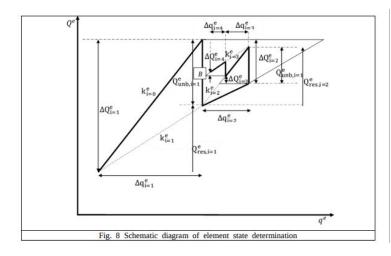
Time to solve



## Solution

#### **Algorithm**





## Technologies used



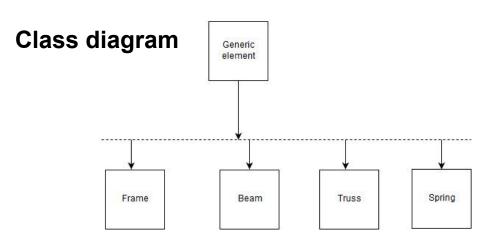


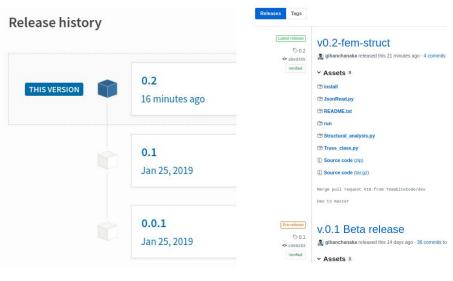






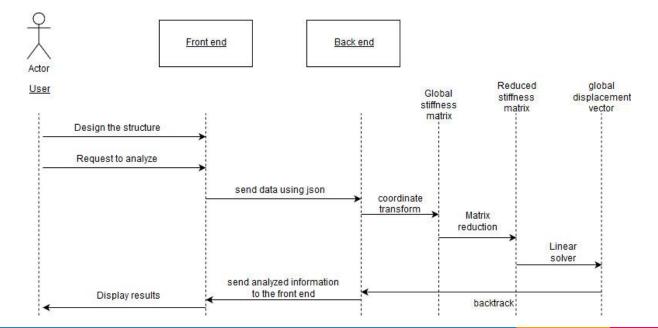
## Design





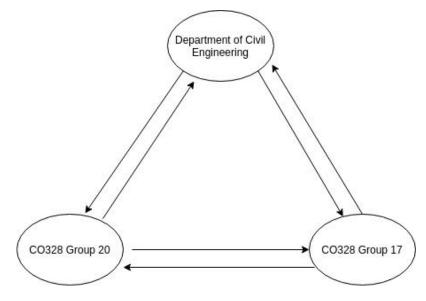
#### Releases

# Sequence diagram

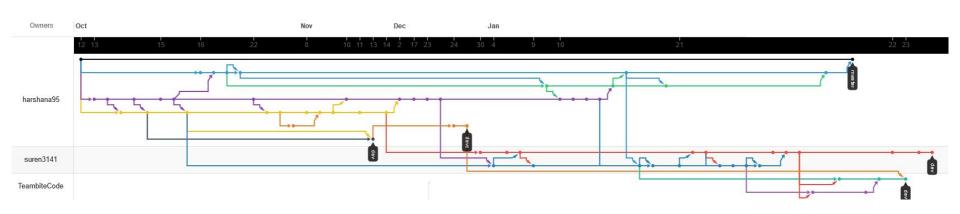


## Agile development

#### **Team Involvement**

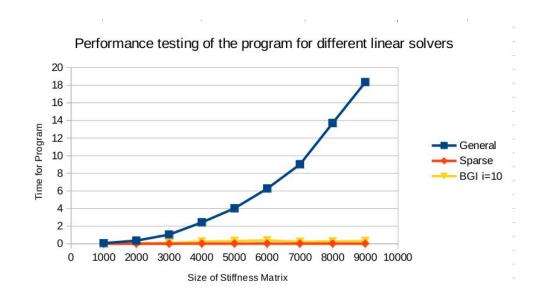


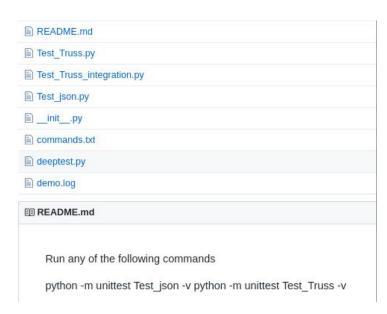
### **Continuous integration**



## **Testing**

## **Usage testing**





#### **Performance testing**

## Demonstration

# Thanks! Any questions?

You can find us at:

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