

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Universal Guided Web Editor

The Capstone Experience

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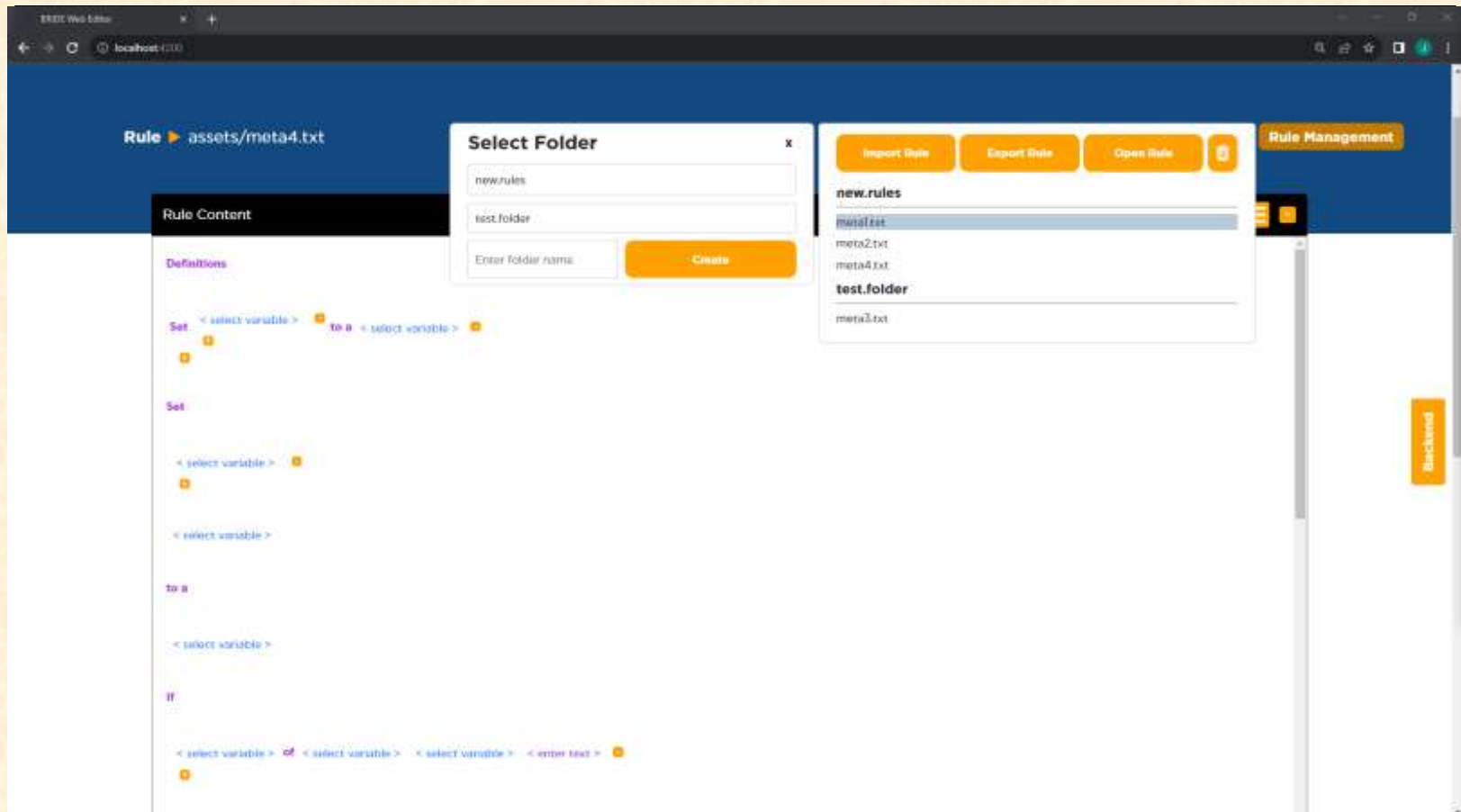
*From Students...
...to Professionals*

Project Overview

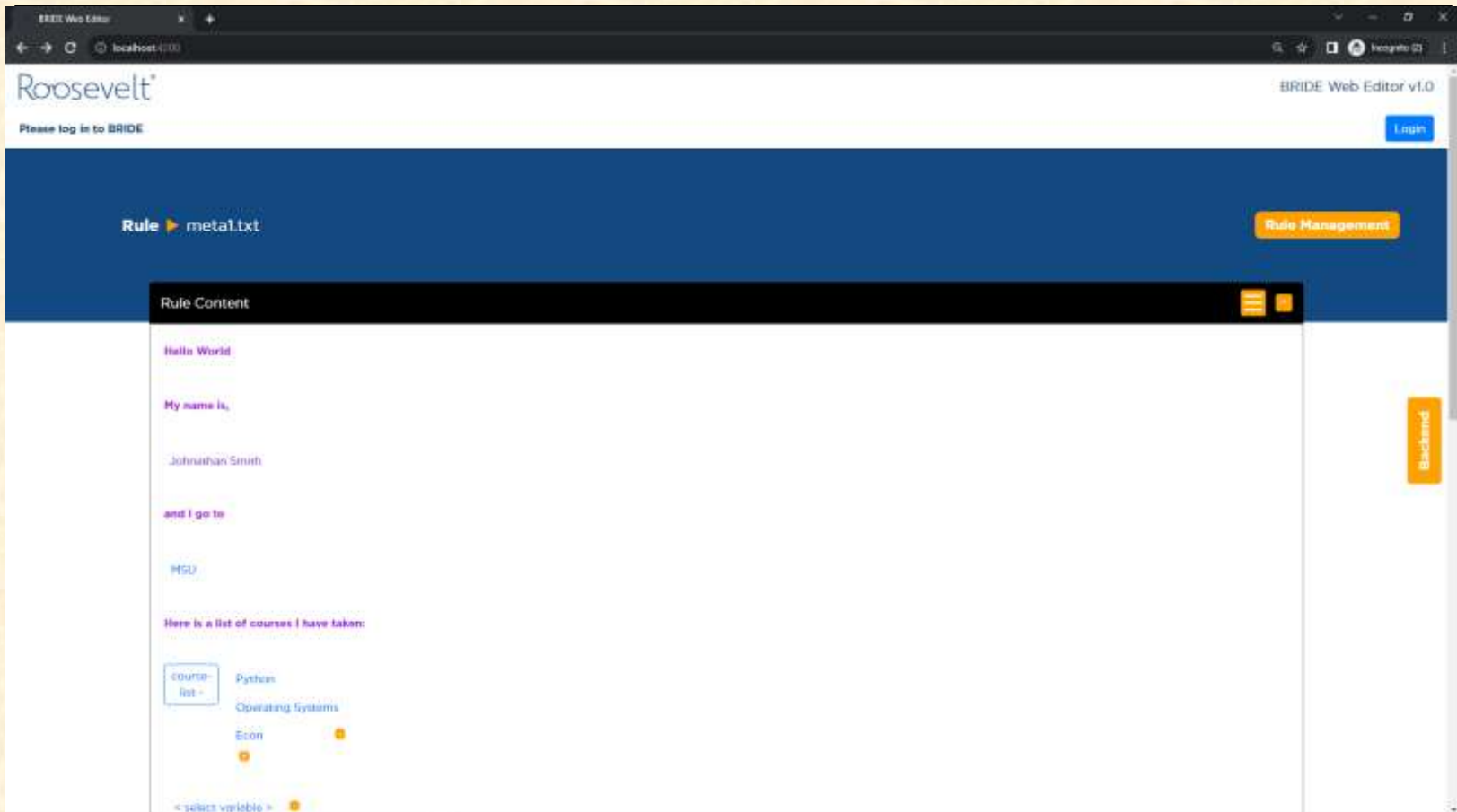
- Business Rule Management System (BRMS)
- Create an intuitive, non-technical online rule editor
 - Allows anyone to build business logic
 - Saves time for technical workers
- Develop, test, deploy, and maintain business logic
- View history of business rules



Import Rule



Creating a Rule



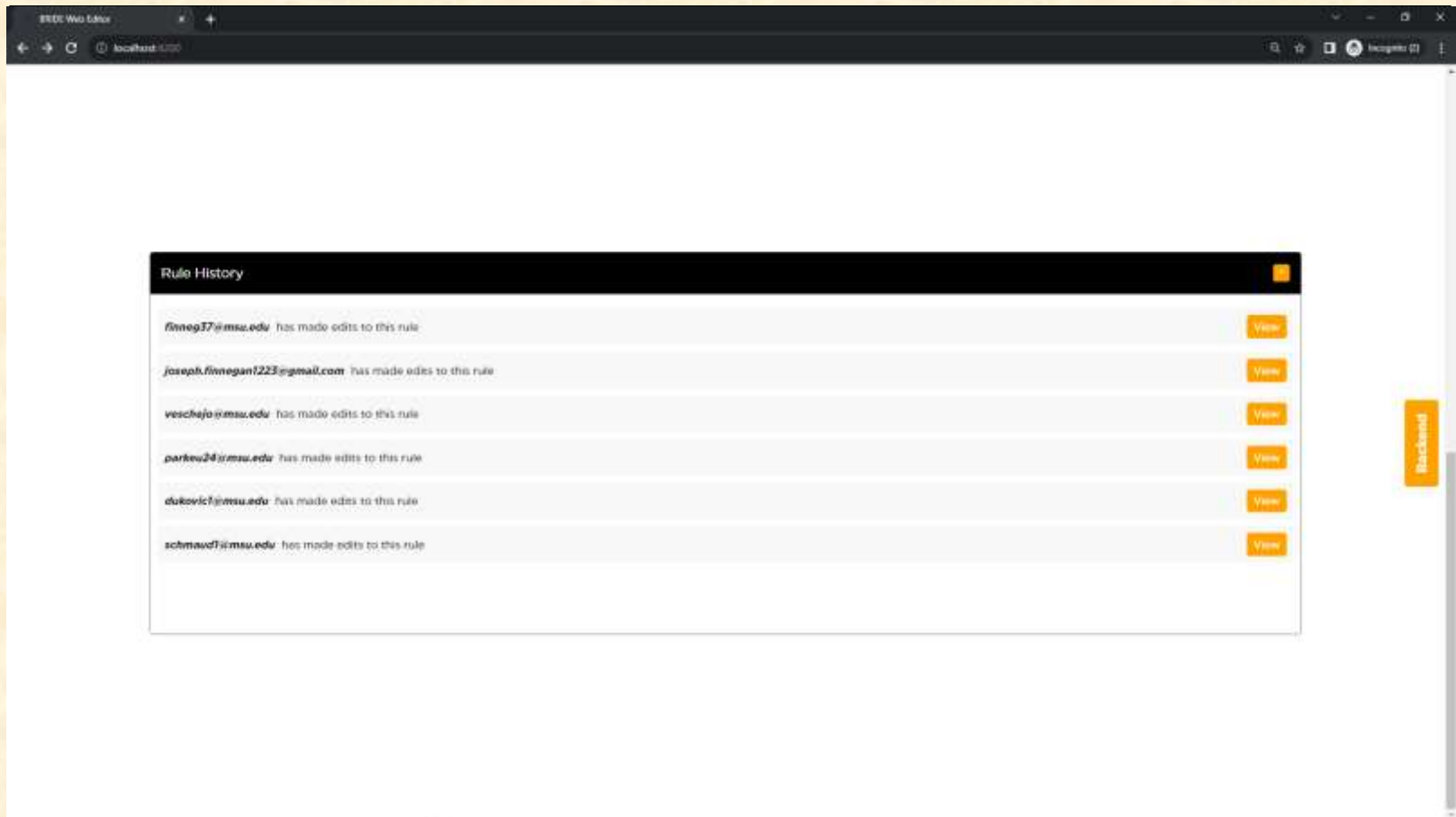
Metadata File

The screenshot displays the BRIDE Web Editor v1.0 interface. A modal window titled 'Current Meta File' is open, showing a metadata file in a text editor. The file content is as follows:

```
CPRV-rule : definitions condition actions;
definition : 'Definition' declaration;
declaration : variable target;
variable : "set " #ast(ast) "variable";
target : " to a " type where;
type :
  "class line" |
  "number history line"
;
where : "where " criteria;
criteria : boolean-test other-boolean-test;
boolean-test : negation boolean-exp;
negation : "It is not true that ";
boolean-exp :
  "Number Type of Patient for " class-line-rule-context-exp " is Subscriber" |
  class-line-rule-context-exp " is a prior carrier class" |
  "any of the Oral Contraceptives for " class-line-rule-context-exp " is in range " string-value-exp
;
class-line-rule-context-exp :
  "this class line" |
  "Current class line"
;
string-value-exp :
  string-literal |
  string-exp
;
string-literal : #ast(ast) "enter a string value";
string-exp :
  "File" |
  "Procedure Code of " class-line-rule-context-exp
;
```



Rule History



What's left to do?

- Features
 - Choice Concatenation
- Stretch Goals
 - Finish rule-history
 - Front-end for formatting files
- Other Tasks
 - Finalize UI



Questions?

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