Team Ares

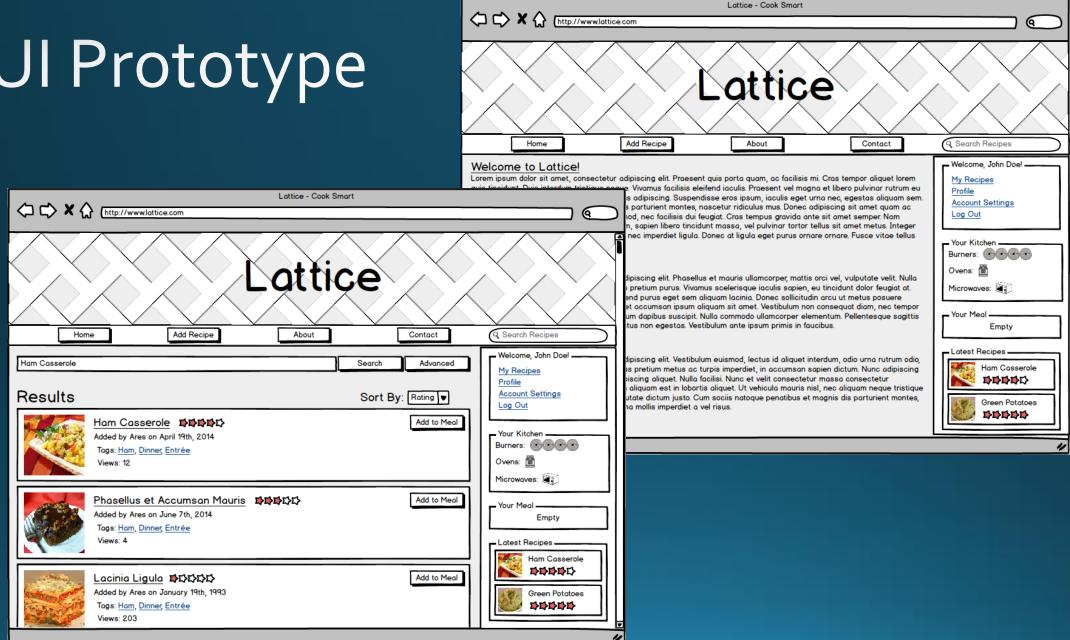
Lattice

What does it do?

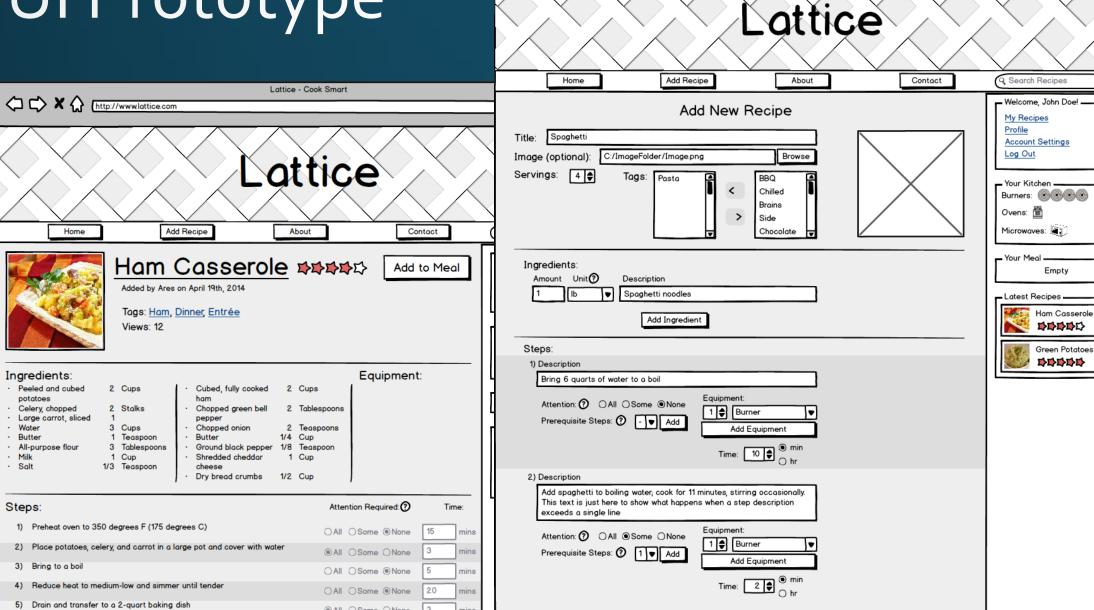
- Combine multiple recipes into a single recipe
- Web app
- Search for recipes
- Upload recipes



UI Prototype



UI Prototype



Lattice - Cook Smart

Empty

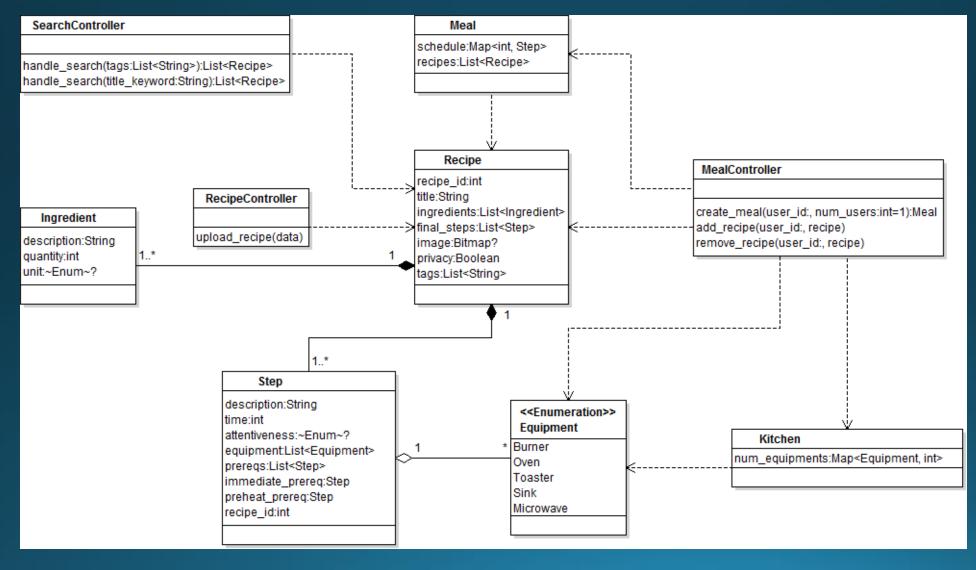
Frameworks

- Ruby on Rails
 - Integrated testing
- OpenID

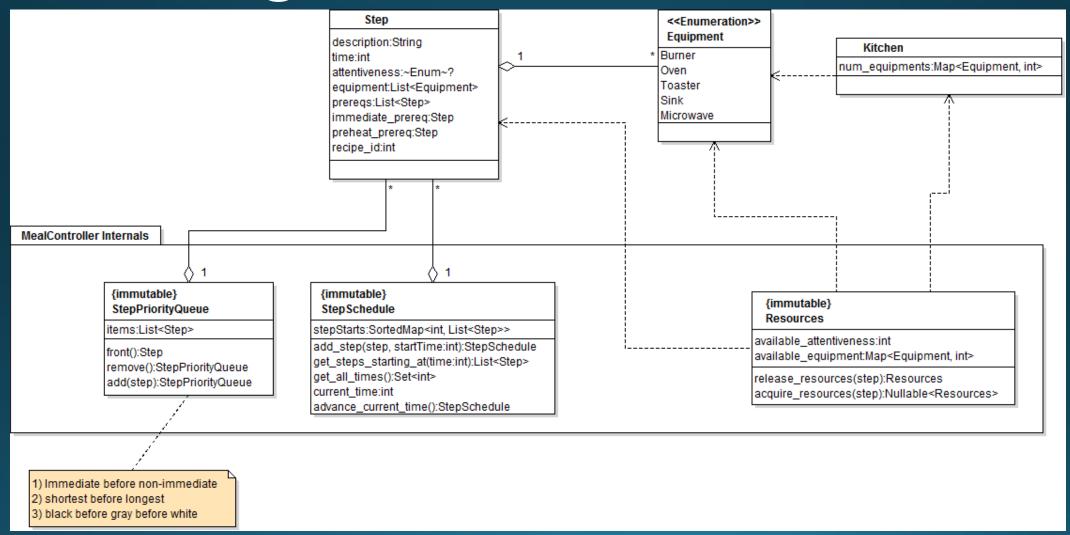




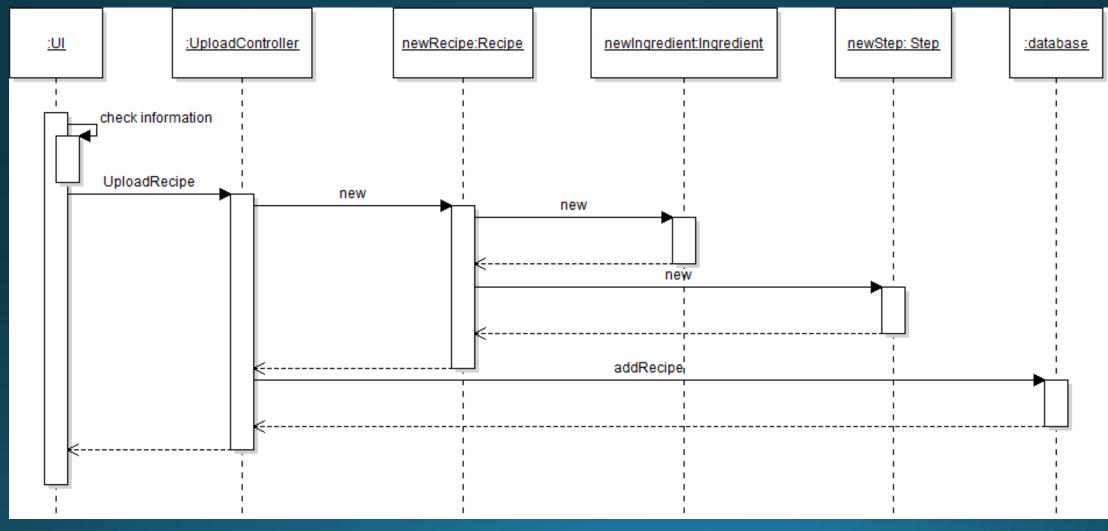
Class Diagrams



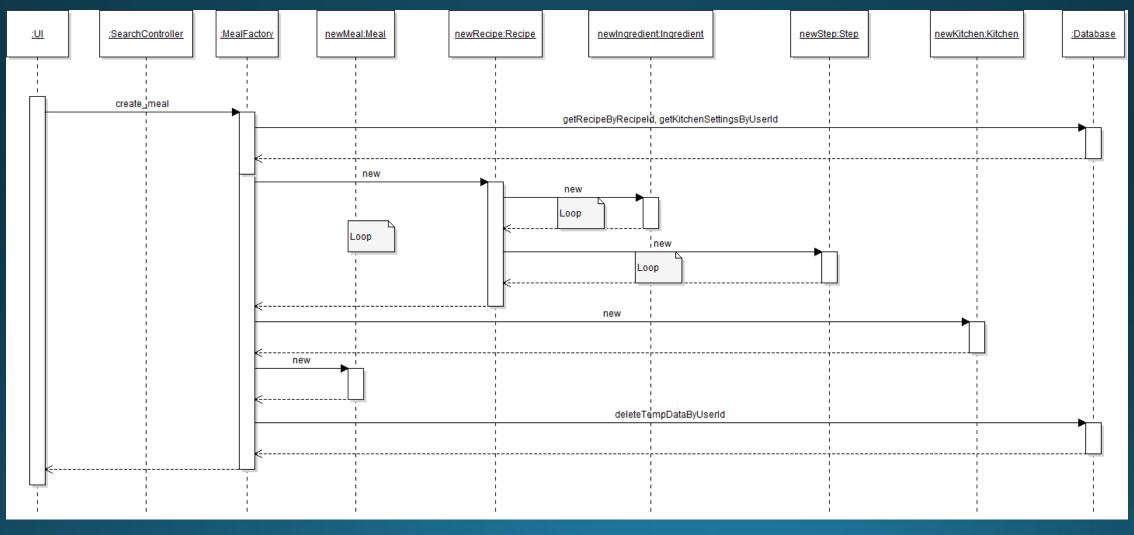
Class Diagrams



Sequence Diagrams



Sequence Diagrams



Implementation Risks

- No web dev experience, or Rails experience
- Still deciding between two algorithm approaches
 - The core of the whole project
- Usability of recipe input



The Algorithm

- The steps in a recipe form a DAG
- Steps claim resources, like stove burners
- Sweep line algorithm, moving backwards in time
- Two conflicting ideas on how to implement:
 - Recursive, pick best of every possible solution
 - Build a single good solution, where each decision is made based on static criteria that guarantee a correct solution

