THE PRODUCT

FUNCTIONALITY
• GRAPHICAL REPRESENTATION OF DATA

PURPOSE
• ANALYSIS OF REQUIREMENTS

AUDIENCE
• JAMA SOFTWARE USERS
THE CONDITIONS

ASSUMPTIONS
• DATA CORRECTNESS

CONSTRAINTS
• SECURITY
• PERFORMANCE
  • FUNCTIONALITY
  • EFFICIENCY

REFERENCES
• THIRD PARTY SOFTWARE DOCUMENTATION
• SPONSORS
  • JOHN SCHROEDER, MICHAEL CHALLY, EVA MILLER, & LIAM FLAHERTY
THE CHALLENGE
THE FEATURES

KEY COMPONENTS
• LOGIN PAGE
• PROJECTS LIST
• ITEM HIERARCHY LIST
• GRAPH
THE TECHNOLOGY

OPEN SOURCE WEB APP

TECHNOLOGY STACK

QUALITY ASSURANCE
• MOCHA & CHAI
• 97% TEST COVERAGE
  • BACKEND
  • FRONTEND (LIMITED)
THE PROCESS

AGILE ROLES
• TEAM LEAD
• SCRUM MASTER
• TECHNICAL ADVISER
• PROJECT MANAGERS
• DEVELOPERS
• QUALITY ASSURANCE

AGILE DEVELOPMENT
• SCRUM
• SPRINTS
  • 1-2 WEEKS
  • TRI-WEEKLY UPDATES (SLACK)
  • CODE REVIEWS
  • RETROSPECTIVES
• PAIR PROGRAMMING
THE SCHEDULE

SCHEDULE

• SPRING TERM
  • DOCUMENTATION
  • PLANNING & DESIGNING
  • USING JAMA SOFTWARE

• SUMMER TERM
  • TEAM MEETINGS
  • SPONSOR MEETINGS
  • AGILE DEVELOPMENT
    • MOB & PAIR PROGRAMMING
THE EXPERIENCE

LEARNING CURVE
• LANGUAGES
• LIBRARIES
• FRAMEWORKS

PAIRED PROGRAMMING

QUALITY ASSURANCE
• TIME & DIFFICULTY

INTEGRATION
A DEMONSTRATION