

JUDAS

Civil Court Case Management System

JABA Software Systems, Inc.

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Presentation Overview

- Explanation of Court Cases and Terminology
- Introduction of the project
- Team Members
- Problem Statement
- Scope
- Requirements
- Analysis of Requirements
- Design
- Schedule
- Conclusions
- Recommendations

CASE WORKFLOW

- Attorney submits initial case document to the Courts and pays initial filing fee
- Clerk then opens a case in the court case management system
 - This assigns a case number
 - Initial docket entries made
- Case moves through proper due process based on statutes
- Hearing Set
- Judge hears the case and sets a final ruling
- Clerk docket final judgment and closes the case



DOCKET CODES AND DESCRIPTION

- An example of a docket code list taken out of a small claims file

docket_code	docket_description
RCPT	RECEIPT FILING FEE PAID: \$ 100.00
STMT OF CLM SC	STMT OF CLAIM- SC STATEMENT OF CLAIM W/ATTACHMENTS
AMT OF CLM	AMT OF CLAIM: AMOUNT OF CLAIM:\$ 3500.00
SUMNS NTA ISS	SUMMONS/NTA ISSUED: NOTICE TO APPEAR ISSUED ON DEFENDANT, DEL'D SHERIFF
SUMNS NTA SRVD	SUMMONS/NTA RETURN SRVD: NOTICE TO APPEAR RET SVD ON DEFENDANT: 2-14-2000 BY SO
PRE TRI CNFR ORD	PRE TRIAL CONFERENCE ORDER PRETRIAL CONFERENCE ORDER: MEDIATED. COURT TO PREPARE ORDER.
DPSD BY JDG	DISPOSED BY JUDGE : COUNTY COURT MEDIATION AGREEMENT- (JUDGE 47/00) 1 PG.
MTN	MOTION: FOR JUDGMENT
AFF	AFFIDAVIT: OF NON PAYMENT W/ATTACHED UNSIGNED FINAL JDMT
JDMT	JUDGMENT FINAL JUDGMENT:(JUDGE, 11-20-2000) 1 PG
AMT AWRD PLF	AMT AWARDED TO PLTF AMOUNT AWARDED TO PLAINTIFF:\$3500.00



JUDAS System's Purpose

- The Judas system combines features of a court system:
 1. Document due dates
 2. The court schedule.
 3. Event Log of the case
 4. The docketing feature allows users to see what has been submitted on a case. Because events on a case create new due dates, Judas has a key component of a monitoring system to notify users of impending due dates.



Team Members

- Jennifer Starling- Organizer

SRS 1/4 section 1 & 2, 1/2 section 4, 3/4 section 5, class diagram, started sequence diagrams



- Angela Reaves – Computer Experience

Tomcat/eclipse set up, section 3, 1/4 section 1 & 2

Screen shots, SRS construction/editing



- Bonnie Ellis – Employed by the courts

Vocab section, docket codes, Use case, 1/4 section 1,2,4,
1/4 section 5, section 6, sample case



- Amir Yousef- Research

section 1.5, 2.3, 2.6, 2.7 & 4



Problem Statement

- The JUDAS system will link access for qualified users to court cases, with reminders of impending deadlines and court dates and times with judge. The simple system design will cut down on production cost, minimizes unwanted behaviors, and allow it to finish on budget.
- Ca.- Judicial Council Pulls Plug on \$1.9 Billion Case Management
- Vt-In 2009, the system signed a \$5 million contract with a Utah company , it's expected to reach a settlement since it hasn't been working.
- Ga- 3.2 – 5.4 million to upgrade software on an antiquated system from 1993.

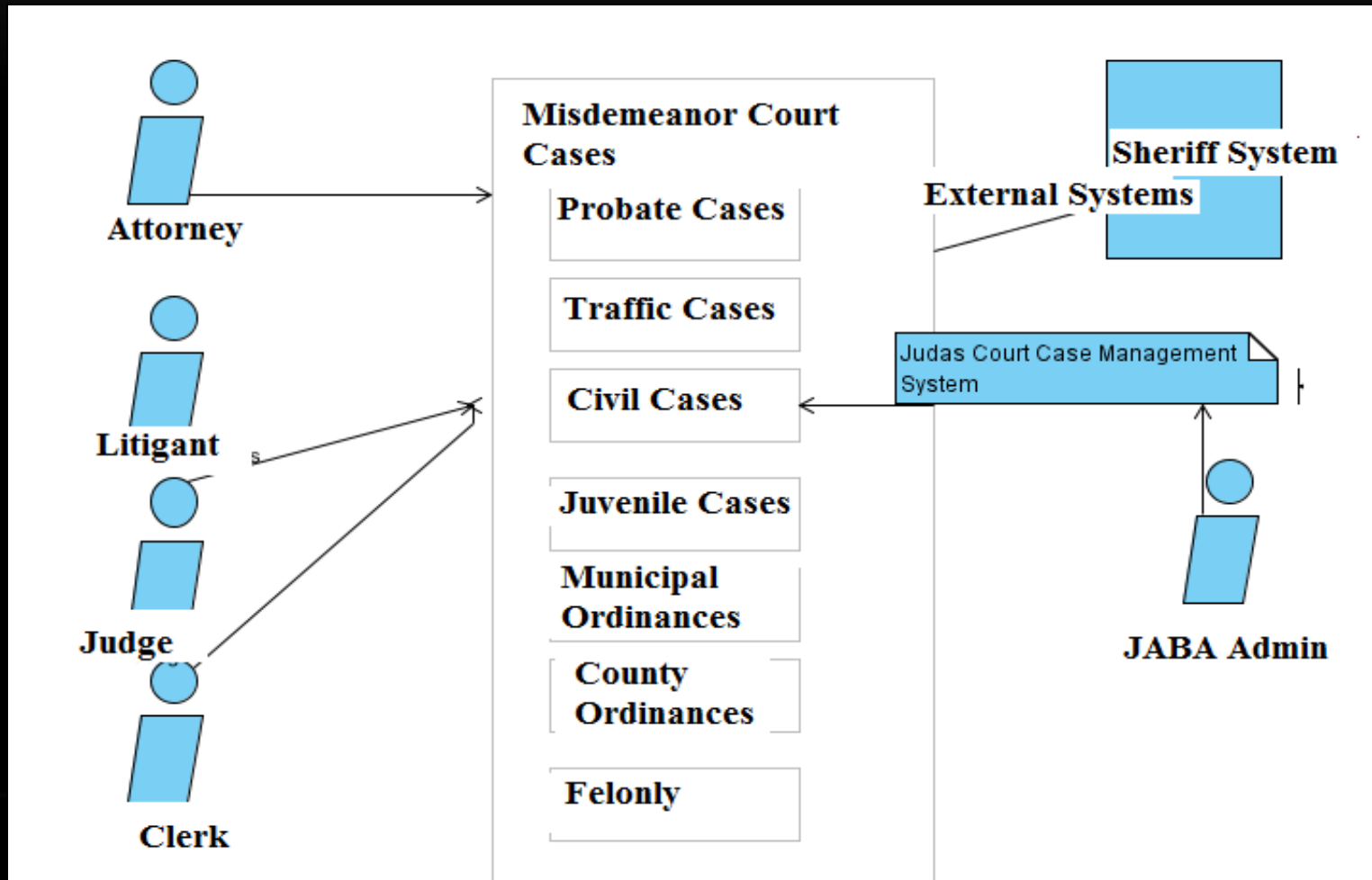


Scope

- This system is designed for civil court cases specifically, but it can be adapted to any state statutes or timelines, and has the ability for increased scope.
- Useful in small court settings
- Can be adjusted for any state
- Does not interact with other systems so compatibility does not pose an issue.



PRODUCT PERSPECTIVE



OVERALL DESCRIPTION

Judas System Design

**Database of Civil
Court Cases:**

Court Room Schedule

Docket Event List

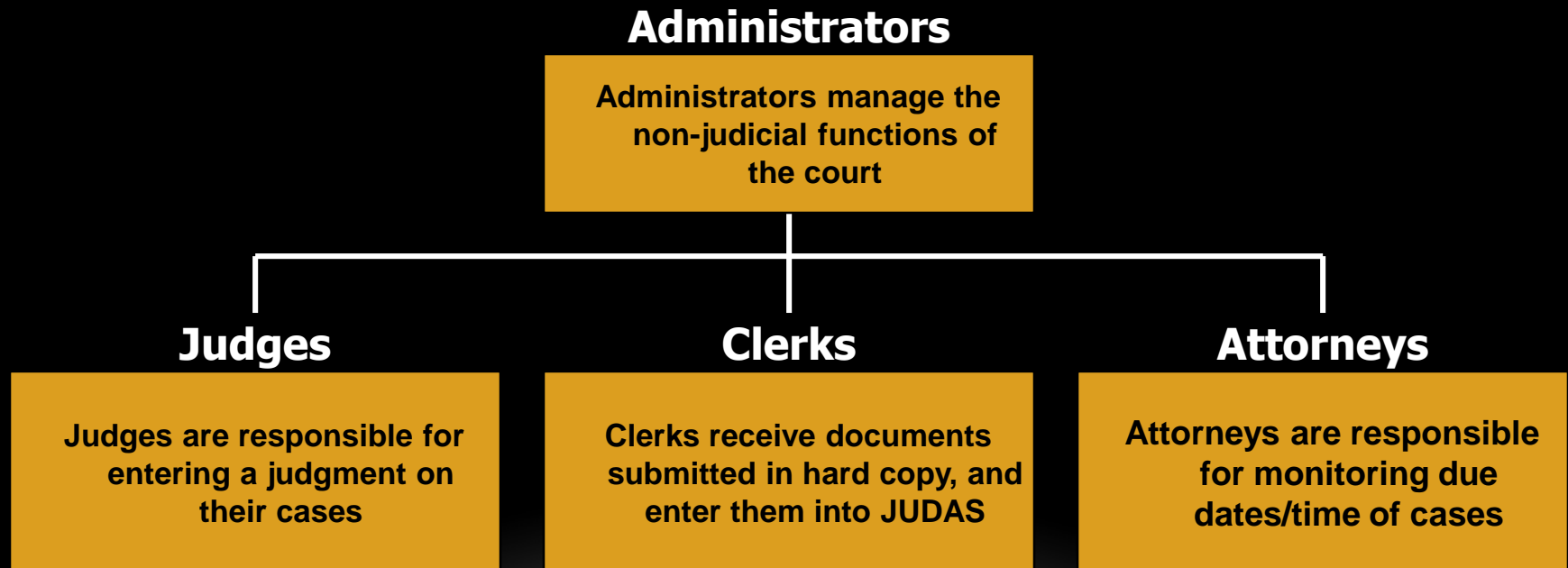
**View tasks by user
with due dates.**

**View of A case timeline (case
creation, case activity, and due
date of future required
evidence and forms.**



USER CLASSES AND CHARACTERISTICS

The following list represents users of the JUDAS system:



USER DOCUMENTATION

The landing page of the Judas system will contain a link to the Judas User Guide. JABA Systems will automatically update the User Guide as any changes are made to Judas. All users will have access to this user guide at any time while logged into the system. The user guide will be a PDF document so that users can download or print a copy to read at their leisure.



GLOSSARY

The glossary helps users of JUDAS understand key terms that will be seen with in the system.

The terms are not meant to be considered legal advice; nor are they to be considered “all-inclusive” definitions.

Definition Examples:

- **ACQUITTAL**

A verdict of not guilty for a defendant in a case that has gone to trial.

- **ADJUDICATE**

Bring to an end; settle conclusively



ASSUMPTIONS AND DEPENDENCIES

It is assumed that every user have a user name and password. Clerks are employees of the court. Attorneys have passed the bar, the Judges are assigned to the county, the circuit, or the state. It is also assumed that all users have access to the Internet. The successful operation of the system is dependent upon the following assumptions and dependencies:

- Hardware availability (Computers and Network)
- Behavior of interfaces (All users can access the system)
- Availability of the operations staff (Judges, Clerks, Attorneys, and Administrators)



System features for Administrators

Maintain User Login Access	4.1.4	REQ: 1-3
Maintain Docket Database	4.2.3	REQ: 1-6
Maintain Case Database	4.3.3	REQ: 1-4
Maintain Software Updates	4.4.3	REQ: 1-5
Testing	4.5.3	REQ: 1-3



SYSTEM FEATURES FOR JUDGES

- | | | |
|--------|---|-----------|
| 4.16.3 | Login access
(login name/password) | REQ: 1-11 |
| 4.17.3 | Review calendar
(calendar search options) | REQ: 1-6 |
| 4.18.3 | Manage calendar
(review calendar, find case, schedule case,
cancel case) | REQ: 1-4 |
| 4.19 | Submit correspondence
(accept/decline attorney requests, request
docket changes.) | REQ: 1-5 |



SYSTEM FEATURES FOR ATTORNEYS

Attorneys are provided a user name and password to login to view their cases. They must enter their proper username/password to enter the system.

The Attorneys' system features are:

- Login Access
- View only cases
- Send/receive alerts
- Request Extensions
- Print case documents



SYSTEM FEATURES FOR CLERKS OF THE COURT

4.6.3	Login Access	REQ 1-4
4.7.3	Clerk Case Maintenance	REQ 1-7
4.8.3	Clerk Docket Maintenance	REQ 1-9
4.9.3	Clerk Case Schedule Maintenance	REQ 1-6
4.10.3	Clerk Correspondence Maintenance	REQ 1-4



NONFUNCTIONAL REQUIREMENTS

- Performance Requirements:

- 1) Response Time
- 2) Throughput
- 3) Survivability
- 4) Efficiency

- Safety Requirements

Hazards: Overbook a court, system crashes during a work hour, database crashes preventing access and court document submission.

- Security Requirements

- 1) Resist unauthorized access, while providing service
- 2) Passwords with timelimits and encryption



NON FUNCTIONAL REQUIREMENTS

SOFTWARE QUALITY ATTRIBUTES

- 1) Adaptability
- 2) Availability
- 3) Correctness
- 4) Expandability
- 5) Flexibility
- 6) Interoperability

- 7) Maintainability- functional
- 8) Portability
- 9) Reliability
- 10) Reusability
- 11) Robustness
- 12) Testability - functional



NON FUNCTIONAL REQUIREMENTS

BUSINESS RULES

- User Access and Privileges
- New Docket Codes
- Modify Docket Codes
- Error Messages
- Database
- Case Numbers



OTHER REQUIREMENTS

- Database
 - Defaults
 - Normalized and Secure
 - Regular backups
 - Adjustable
- Legal Requirements
 - Statues requirements must be met
 - System must be expandable to meet new statues



Analysis of Requirements

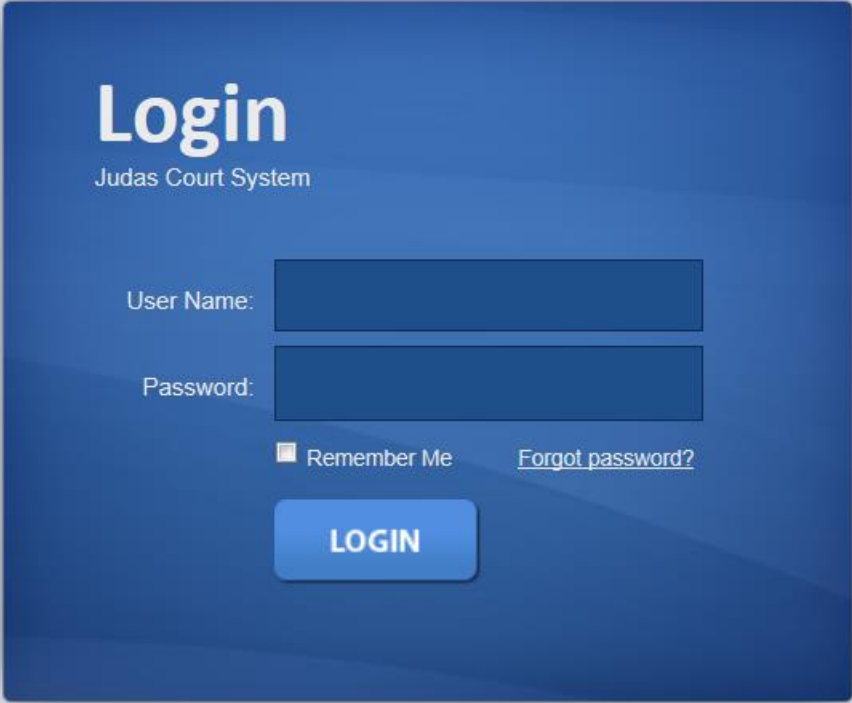
The Requirements were scaled down from our original intent to allow for a semester time frame for completion.

While the prototype Judas system will restrict user access to only 4 types, a more comprehensive system has been designed in the requirements appearing in *Italics*. Not all Requirements can be implemented in 3 months, but later version of the Judas scheduler could incorporate them in the design.



User Interface Design

- Login to Judas system – sample screen mockup



The mockup shows a login interface with a blue background. At the top left, the word "Login" is in large white font, with "Judas Court System" below it in a smaller white font. Below this, there are two input fields: "User Name:" and "Password:". To the right of the "Password:" field, there is a checkbox labeled "Remember Me" and a link labeled "Forgot password?". Below these fields is a blue button with the word "LOGIN" in white capital letters.



User Interface Design

○ Judge Landing Page – sample screen mockup

Judas

Civil Court Case Scheduler System

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Judge View

Search For Case

☒ Case # ☐ Judge ☐ Attorney ☐ Parties

Today's Court Schedule

Logged in as judge_morgan | December 4, 2012

Time	Judge	Court Room	Case	Case #
2:00 PM	Morgan	102	Mortensen vs. Palmer	54752

Task List

Task #	Case #	Judge	Due Date	Docket Code
3	147256	Morgan	12/20/2012	GA PNP

Judge Menu

- Schedule Court Case
- Enter Judgement
- Approve/Reject Extensions
- Review Alerts
- View Scheduled Cases
- Send Communication
- Review Documents

Links

- Court System News
- Legal Glossary
- Docket Codes

Search By Docket Code

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User Interface Design

Attorney Landing Page – sample screen mockup

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Attorney View

Search For Case

Search

☒ Case # ☐ Judge ☐ Attorney ☐ Parties

Current Court Schedule

Logged in as attorney_goldman | December 4, 2012

Time	Judge	Court Room	Case	Case #
8:00 AM	Taylor	100	Smith vs. Anderson	74987
10:00 AM	Smith	101	Arrow vs. Moncrief	85421
2:00 PM	Morgan	102	Mortensen vs. Palmer	54752
4:00 PM	Higgins	100	Christian vs. Rice	65474

Task List

Task #	Case #	Judge	Due Date	Docket Code
1	147256	Taylor	12/15/2012	ALIAS SUMNS NTA
2	576895	Smith	12/17/2012	DA DT VIOL INJ

Attorney Menu

View Court Case

View Pending Task

Request Extensions

Review Alerts

View Scheduled Cases

Send Communication

Review Documents

Links

Court System News

Legal Glossary

Docket Codes

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User Interface Design

○ Clerk Landing Page – sample screen mockup

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Clerk View

Search For Case

☒ Case # ☐ Judge ☐ Attorney ☐ Parties

Today's Court Schedule

Logged in as clerk_callaway | December 4, 2012

Time	Judge	Court Room	Case	Case #
8:00 AM	Taylor	100	Smith vs. Anderson	74987
10:00 AM	Smith	101	Arrow vs. Moncrief	85421
2:00 PM	Morgan	102	Mortensen vs. Palmer	54752
4:00 PM	Higgins	100	Christian vs. Rice	65474

Task List

Task #	Case #	Judge	Due Date	Docket Code
1	147256	Taylor	12/15/2012	ALIAS SUMNS NTA
2	576895	Smith	12/17/2012	DA DT VIOL INJ
3	147256	Morgan	12/20/2012	GA PNP
4	147256	Higgins	12/21/2012	LA RCD PG

Clerk Menu

- View Court Cases
- Create Docket
- Delete Docket
- Open New Case
- Process Extensions
- Send Communication
- Validate Documents
- Close Case
- Submit Judgments

Links

- Court System News
- Legal Glossary
- Docket Codes

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User Interface Design

Open Case – sample screen mockup

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Case #74987 - Smith vs. Anderson

Logged in as [judge_morgan](#) | December 2, 2012

Court Schedule

Date	Time	Judge	Court Room	Case #
12/15/2012	8:00 AM	Taylor	100	74987

Case Dockets

Due Date	Docket Code	Description	Status	Countdown
12/07/2012	AFF	Affidavit	Pending	3 days
12/10/2012	3RD PRTY SUMNS SRVD	3rd Party Summons Returned Served	Pending	6 days
11/10/2012	3RD PRTY SUMNS	3rd Party Summons	Complete	N/A
11/07/2012	CRSCLM SUMNS SRVD	Cross Claim Summons Ret Served	Complete	N/A
11/05/2012	CRSCLM SUMNS	Cross Claim Summons	Complete	N/A

Judge Menu

- Schedule Court Case
- Enter Judgement
- Approve/Reject Extensions
- Review Alerts
- View Scheduled Cases
- Send Communication
- Review Documents

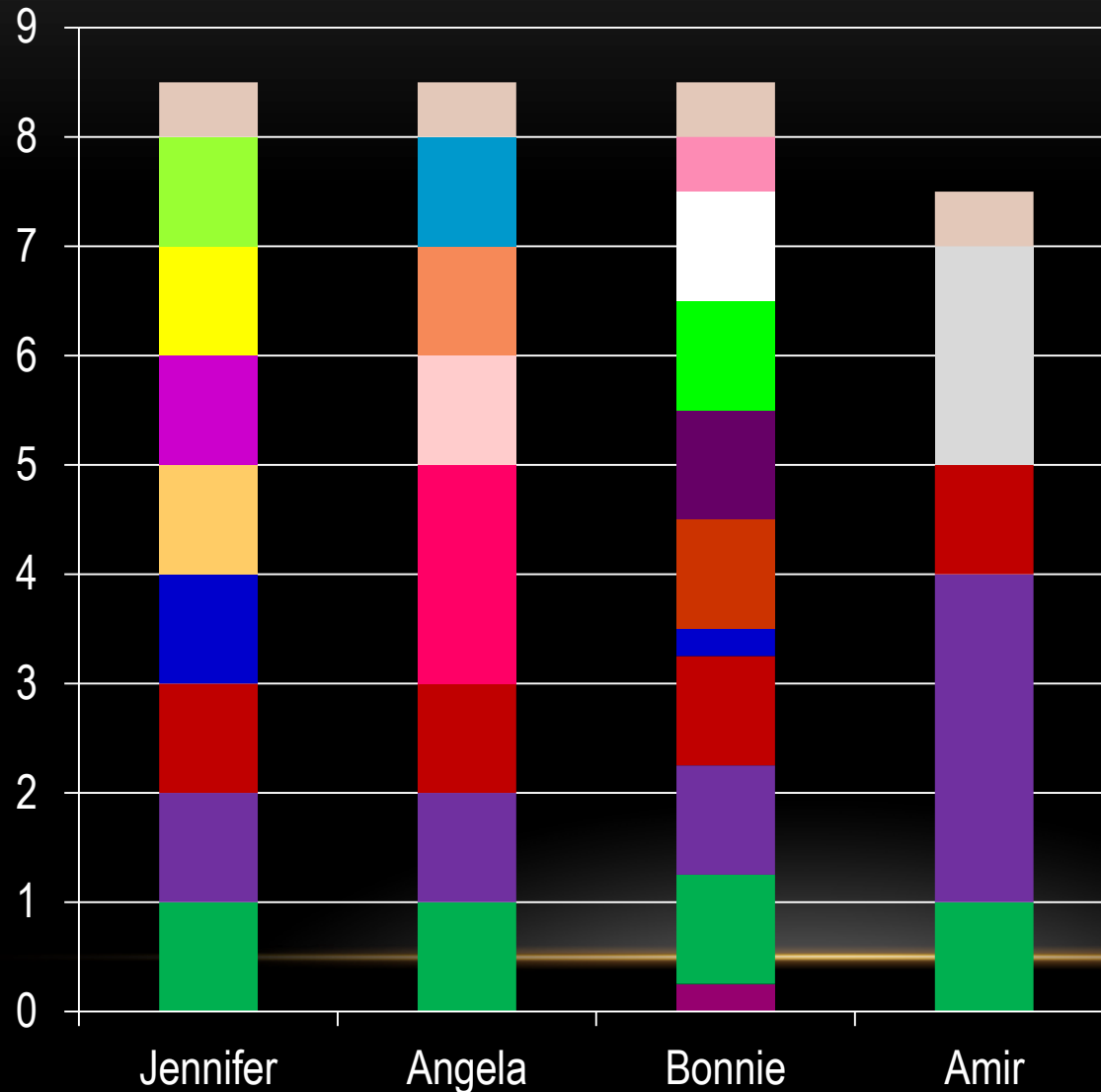
Links

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Schedule



- Presentation
- SequenceDiagram
- SampleCasesDockets
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- FinalizeSRS
- Class Diagrams
- Use Case
- Vocab
- Coding Environment10
- NF Attorney
- NF Clerk
- NF Admin
- NF Judge
- Section 6
- Section 5
- Section 3
- Section 1
- Section 2
- Research
- Prospectus

Conclusions

- Is the system feasible or not?
 - Yes, the prototype can be done in one semester
- Did you get as far as you thought you would?
 - Due to design complexity of the system design, it was known to us that only a prototype would be designed this semester.
- Based on research of failed attempts of court system schedulers, the downfall is making all courts use 1 specific system that is supposed to do all things. A design must be alterable for the customer.



Recommendations

- Based upon what you have done would you recommend the system continue on to full development?
- Yes, we feel confident that we can implement most of the features of Judas as described in the SRS document. Judas will be implemented in such a way that additional functionality can be added at a later date without affecting existing functionality.



REFERENCES

- **CLERICUS** is a Florida-based case maintenance system developed exclusively for Florida Clerks.
- For information on CLERICUS:
- <http://www.flclerks.com/clericus.html>
- For YouTube video about CLERICUS:
- https://www.youtube.com/watch?v=FSMOZze_x1Q
- For Court specific standards:
- <http://www.firstjudicialcircuit.org/about-court/glossary>

