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FOAR705 Week 6

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Today's Plan

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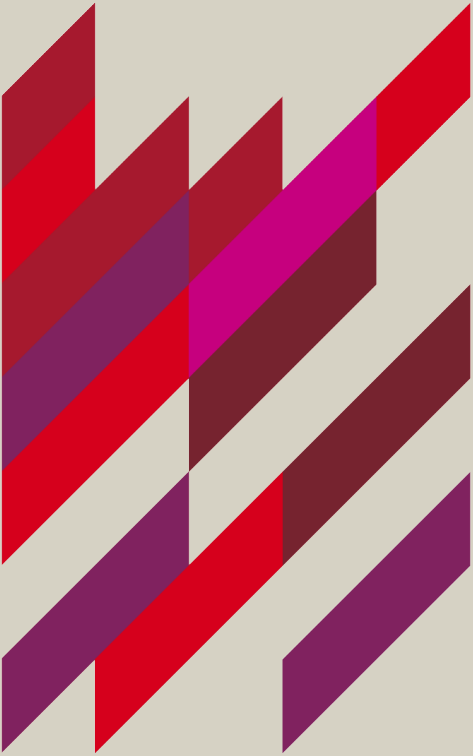
Data Carpentry

Proof of Concept Design Assignment

Minute cards!

Guest Lecture

References



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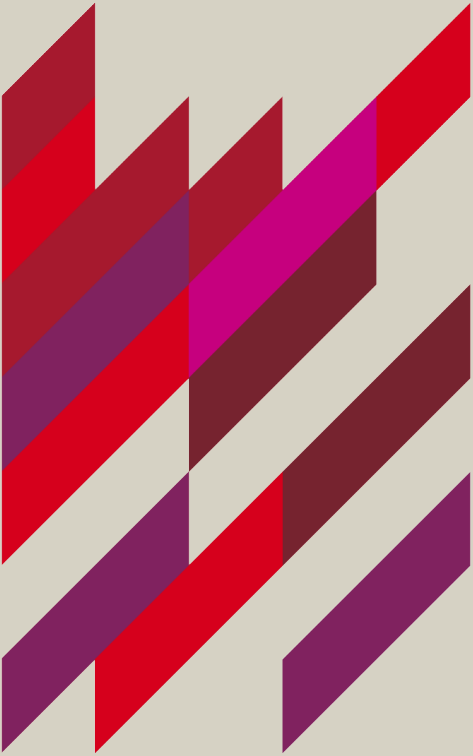
Data Carpentry

See lesson at: https://datacarpentry.org/openrefine-socialsci/



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Proof of Concept Design Assignment

Assignment overview

We know *what* we want to do. We know *how* we want to do it. The remainder of the semester will be building, testing, documenting, and presenting your proof of concept. Besides the learning journal (due week 8) all other graded things are due at the end of semester.

Internal due dates:

Week 7 Proof of Concept - Design

Week 9 Proof of Concept - Components work

Week 11 Proof of Concept - Components Linked

Graded:

Week 13 Proof of Concept - Minimal Viable Product delivered

Making your Design

- Create User Stories
  - Each story has the story itself
  - Acceptance Criteria
- Categorise themes and identify prerequisites
- Load into project management system
- Share for feedback from colleagues
- Plan Quality Assurance (if you're aiming for HD)
- Sanity check and submit

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As a [role], I want [goal] so that [reason].

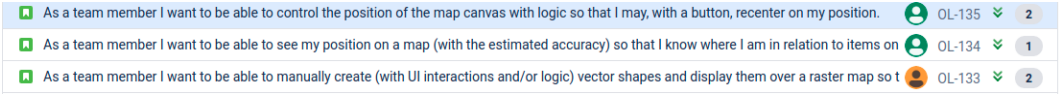

Figure 1: User stories from 2012 when we were developing FAIMS.

Example: As a **student**, I want my **typesetting software to generate my bibliography**, so that I don't have **to double check in text citations against my bibliography**.

It is OK to have additional description (hidden away with a click or equivalent) so that what you mean is clear to future-you. This user story is like a commit summary: short and pithy. Click through for the multi-line discussion if necessary.

Acceptance Criteria

A step by step decomposition of each action needed to make the feature described by the user story work. Differentiates between the story being completed or needing more work. Makes sure you don't skip steps.

GPS1: Check for time errors

	Test Summary	Check to ensure incorrect time and timezone errors occur	
	Preconditions	FAIMS Web server FAIMS module "Sol1 Hardware" loaded on server Tablet with GPS, wireless connection to FAIMS server and FAIMS Android app is installed on tablet "GPS Status" android app from the Play Store	*Has robotium equlicant test in gpsTest.java tests 1 and 2*
	Datasets Required	Sol1 Hardware module	
		Test Steps	**Expected Result**
1	Android Tablet	Go to setting and change the time forwards 3 hours	The time is incorrect
2	Android Tablet	Ensure the table can get a GPS signal using "GPS Status"	Get lat and long
3	FAIMS App	Start FAIMS app and wait	Message should appear within 30 seconds warning that the tablets time and gps time is out of sync
4	Android Tablet	Go to setting and change the time backwards 3 hours to the correct time.	The tablet time is correct
5	Android Tablet	Change the timezone to one 2 hours differnt from the current timezone	The timezone is incorrect
6	FAIMS App	Start FAIMS app and wait	Message should appear within 30 seconds warning that the tablets time and gps timezones are out of sync
7	Android Tablet	Go to setting and change the timezone to the correct timezone	The timezone is correct
	Comments:		
	Tester:		**Result:**

Figure 2: Acceptance Criteria for an update we did in 2016

Acceptance Criteria Example

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As a student, I should be able to:

1. Supply a bibliography database to the program
2. Choose an in-text citation from the sources in the database
3. Choose the bibliographic standard
4. Cause the program to generate a bibliography and correct in-text citation based on the chosen citation and standard

You can also articulate expected results if it's not immediately obvious.

User story Exercise

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For the next (half the remaining time till 3:30), work in groups of 2-3. Preferably with folk doing a similar activity or with your neighbours.

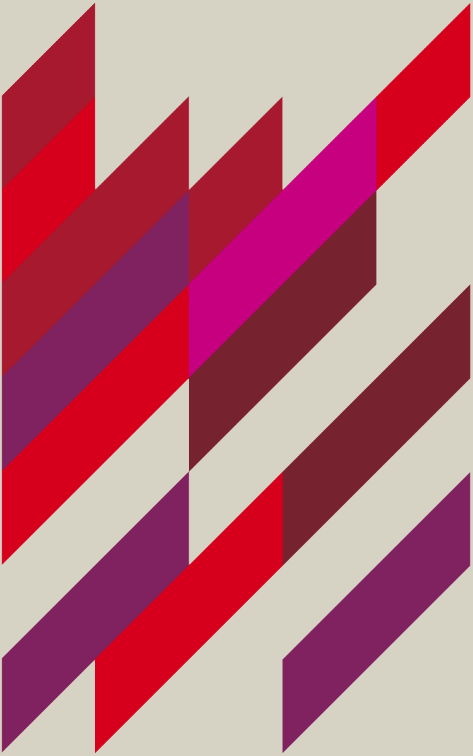
Each person in the group should:

- Provide a one minute summary of their desired goal (scope)
- One minute talk about one tool they've chosen to use.

Then, everyone should, for their own proof of concept:

- Create a user story for a feature they need to implement
- Create acceptance criteria

Then, each group member should try to figure out if they could (with knowledge of the tool assumed) implement each others' user story to satisfy the acceptance criteria.



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Minute cards!

Feedback time

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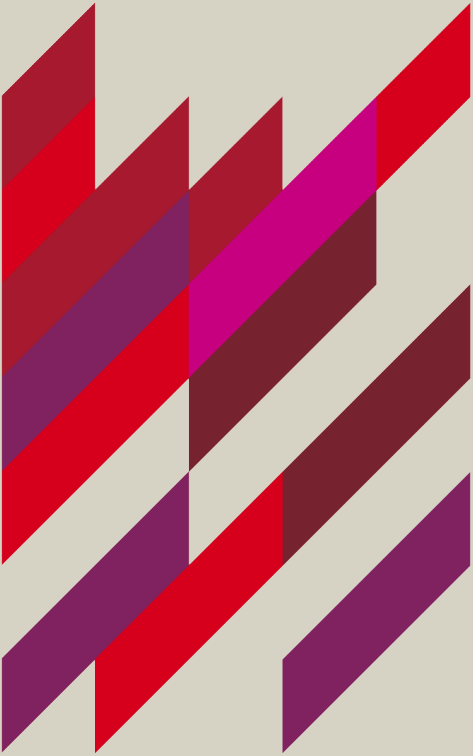
On your green sticky, write one thing we did well today.

On your red sticky, write one thing we could improve upon for next time. Be specific.



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Guest Lecture

Bringing it all together—integrated sources for crunching data across disciplines, sources and regions.

Use of Filemaker, Google Earth, Adobe Lightroom and other software to monitor sites and buildings across the Middle East, especially in areas of conflict. The aim is to take a region-wide look at the damage across all periods for which we have physical remains and in all political environments. This has produced an integrated database compiled over the last twenty years of detailed information (in the form of images, historical summaries of sites/buildings, relevant epigraphical and bibliographical sources, plans and maps from my own and other published sources) allowing an instant readout or statistical overview to inform further study, breaking down the barriers inherent in more specialised (region- or period-specific) sources.

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References

Thank you!

Source code for this presentation is available at:
`https://github.com/MQ-FOAR705/MQ-FOAR705-Week3`