Deliverable 2
Personas and User Stories

Contents:

Format

- Persona #2: Professional context is missing. Where is he working? He is working with Hanno?

Information content

- The personas do not address the goals when using the system

Coverage

- You have not considered users's privileges
- You have not considered someone outside Hanno's team at UofT.
How about an astronomer living somewhere else in the world that wants to contribute to the database but does not know how to use git and github?

Personas

Persona 1:

Name: Hanz Hanson
Pos / Env: Assistant professor of Astronomy @UTSC
Gender/Age: Male, 40
Skills:
- Familiar with Unix, github, and programming in general.
- Experienced with python, app development, etc.

Personality:
- Detail-oriented, likes to stick to schedule.
- Very methodical, precise, organized
- Likes to keeps track of latest developments in Physics and Astrophysics (studies scientific publications, both print and web-based)
- Skeptical about research information he is presented. Always carefully consults third party sources before trusting any scientific discovery or opinion.

Attitude towards tech:
- Strongly prefers open source and GNU software and systems
- Prefers UNIX over NT

Persona 2:

Name: David Davidson
Pos / Env: Graduate Student in Astrophysics
Gender/Age: Male, 30
Skills:
- Familiar with MacOS and Windows only.
- Does not have background in programming or using complex applications.
- In terms of using complex software, can easily replicate simple procedures when given. (May make mistakes and require assistance with longer ones.)
- Likes it when a good User Manual is available
- Knows how to use GitHub.
- Have used Command Line Interface before, but is not very comfortable with it.

Personality:
- Somewhat impatient, wants to get work done without complications.
- Busy person, needs ways to optimise his working routine
- Has limited time to spare to work on his side projects (one of them is Open Exoplanet Catalogue)

Attitude towards tech:
- Comfortable with using computers in his daily life
- Comfortable with using any internet browser on MS windows
- Easily confused by complex interface, prefers simplicity

User stories

1. As Hanz Hanson (Exoplanet Research Professor), I want the program to identify changes made in some or all data fields of planets on the selected online catalogues(NASA, exoplanet.eu).

2. As Hanz Hanson (Exoplanet Research Professor), I want the program to present the changes on a planet by planet basis through pull requests, so that I can more easily keep track of changes made.

3. As Hanz Hanson (Exoplanet Research Professor), for every difference presented I want to see information about the planet, and which catalogue the change came from.

4. As Hanz Hanson (Exoplanet Research Professor), for every modification in planet information presented I want to see the reference - title and date of scientific publication from which this change originated in the commit message of a pull request.

5. As Hanz Hanson (Exoplanet Research Professor) I need a way to use the application through command line interface.

6. As Hanz Hanson (Exoplanet Research Professor), I want to be able to reject an update in data presented from any of the two catalogues and never be asked about the same change again in the future, so that I do not have to see a pull request about the same information more than once.

7. As Hanz Hanson (Exoplanet Research Professor), I want any accepted modification of information on planets or systems to the exoplanet open catalogue to be automatically converted to a xml document and submitted as a pull request.

8. As David Davidson (Graduate Student in Astrophysics), I want to be able to set the interval of time for the software to check for updates from other catalogues.

9. As Hanz Hanson (Exoplanet Research Professor), want an option to initiate a check for updates manually at any time.

10. As Hanz Hanson (Exoplanet Research Professor), I want to see changes in distinct catalogues as separate pull requests (as opposed to one pull request for both).

11. As David Davidson (Graduate Student in Astrophysics), I want to be able to postpone a decision on whether or not I want to accept or decline a change in information of the catalogues.

12. As David Davidson (Graduate Student in Astrophysics), I want to have the option to see the number of planets with changes in information from the latest update in the commit message of the pull request.

13. As David Davidson (Graduate Student in Astrophysics), I want to have the option to accept all the changes of a specific planet at once.

14. As David Davidson (Graduate Student in Astrophysics), I want a comprehensive manual to explain the operation of the program.

15. As Hanz Hanson (Exoplanet research professor), I want to be able to accept changes on a field by field basis, instead of all the changes for that planet at once.

16. As Hanz Hanson (Exoplanet research professor), I want the application to ignore minor discrepancies in planet names across different catalogues (including case differences and number of spaces).

17. As Hanz Hanson (Exoplanet research professor), when a planet modification is presented, I want all the measurements to be expressed in the same units as the Open Exoplanet Catalogue is using.

18. As David Davidson (Graduate Student in Astrophysics), I want changes to numerical data within a set tolerance to be ignored by the application.

19. As David Davidson (Graduate Student in Astrophysics), if there is a field that exists in the other catalogues but not the open exoplanet catalogue, I want the program to disregard that field.

20. As David Davidson (Graduate Student in Astrophysics), I want the to have the option to not notify me of any differences between the three catalogues on the first run of the program only.

21. As Hanz Hanson (Exoplanet research professor), in case a planet is referred to by more than one name across different catalogues, I want an option to specify this in the application settings, so that no duplicate planets are created.