\*Crawler functionality is top priority to customer

The P5T System shall:

 \* Support user logins which are associated with a Researcher

 \*\* User passwords shall be stored in a salt+hash form in the database.

 \* Support a registration mechanism for new user accounts.

 \* Maintain a collection of Researchers. Researchers shall:

 \* Have a First Name, Last Name, and Middle Initial.

 \* Have a single Primary Affiliation and zero or more Secondary Affiliations. Affiliations shall contain:

 \*\* A title

 \*\* An email address

 \*\* A phone number

 \* Be connected to Products they are related to.

 \* Be connected to Grants they are related to.

 \* Maintain a collection of Authors. Authors may be either a Researcher or an unregistered Author:

 \*\* An Author contains:

 \*\*\* First Name, Last Name, and Middle Initial.

 \*\*\* An affiliation

 \*\*\* A Role

 \* Maintain a collection of Products. Products shall:

 \* Be connected to associated Research Articles. Research Articles shall have:

 \*\* A list of Authors.

 \*\* A title

 \*\* An Abstract

 \*\* A publication Date

 \*\* An issue number

 \*\* The publcation Journal name

 \*\* A collection of associated files

 \*\* A collection of associated URLs

 \*\* A collection of funding sources

 \* Be connected to associated Conference Presentations. Conference Presentations shall have:

 \*\* A list of authors

 \*\* A title

 \*\* An abstract

 \*\* A Type (e.g. panel, poster, round table, etc)

 \*\* A Name

 \*\* A Date

 \*\* A Location

 \*\* A collection of associated files

 \*\* A collection of associated URLs

 \*\* A collection of funding sources

 \* Be connected to associated Media/Interviews. Interviews shall have:

 \*\* A list of authors

 \*\* Interview topic

 \*\* Outlet

 \*\* Location

 \*\* A collection of associated files

 \*\* A collection of associated URLs

 \*\* A collection of funding sources

 \* Be connected to Other Activities/Products. Other Activities/Products shall have:

 \*\* A list of Authors.

 \*\* A Description

 \*\* Zero or One location

 \*\* Zero or One Outlet/Publisher

 \*\* A collection of funding sources

 \* Maintain a collection of Grants. Grants shall have:

 \*\* A source

 \*\* A unique number(string-assigned by the granting institution)

 \*\* A title

 \*\* A funding start and end date.

 \*\* A collection of Authors.

 \* Have web crawling tools to assist with pre-populating information. The specific tools will:

 \* Create a database of articles published by researchers in the system.

 \* Create a database of external articles which cite manuscripts, presentations, and research articles.

 \* Create a database of grant application listings.

 \* Create a database of awarded grant applications.

 \* Utilize databases, associated articles, files, etc to determine "vector of research" descriptions for researchers.

 \* Automatically make form auto-fill suggestions based upon the aforementioned web-crawler generated databases.