\*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.