Impact on Society Report

Team Name

Student1, Student2, Student3

Date

Project abstract (uncomment LATEX input{../abstract}

Contents

1   Intellectual Property

'Intellectual property' is a recent term used to refer to four histori-
cally distinct sets of laws: patent, copyright, trademark, and trade
secrets.[1]

University of Waterloo Policy 73[2] is unique in that it allows you to
retain ownership of all of the intellectual property that you create at
school. Very few (if any) other schools have such a policy: usually the
university claims ownership of all intellectual material created as part
of university business. This policy gives you tremendous freedom
and makes writing this report much simpler.

1.1   Copyright

Copyright is the branch of law most commonly associated with soft-
ware, as software is written work. Copyright is the legal basis of
all open-source software licences. You should be able to answer the
following questions:

- What are the licenses attached to the software you are using?

  TODO

- Are the pieces of software that you are using license compatible
  with each other?

  TODO

- What license options are available for your project? If you are
  linking with GPL software then your project must be GPL, *etc.*

  TODO

- What license are you choosing for your project? Why?

  TODO

- Does your project involve, or appear to involve, sharing or cap-
  ture of third party data? Third party data should be understood
  broadly, including at least recorded music or movies, Google
  maps data, Yelp local business data, *etc.*. What are the terms of
  service/usage for the data?

  TODO

- Does your project involve analysis of third-party datasets? Who
  owns the copyright of them? What is the licence?

  TODO

- Who will retain ownership of the copyrights on your software
  after you graduate? You? Your customer? Someone else?

  TODO

[1] Richard M. Stallman. Did You Say
'Intellectual Property'? It's a Seductive
Mirage, 2012. URL http://www.gnu.
org/philosophy/not-ipr.html. First
version circa 2004

[2] University of Waterloo. Policy 73:
Intellectual Property Rights, 2000.
URL http://secretariat.uwaterloo.ca/
Policies/policy73.htm

According to Policy 73 UW does retain
ownership of final exams by classifying
them as a faculty administrative task
rather than as product of teaching.

GPL compatibility is discussed on the
GNU web site. There are many other
online resources on this topic.
  http://www.gnu.org/licenses/quick-guide-gplv3.html
  http://www.gnu.org/licenses/license-list.html
Please provide appropriate references
for your claims, *e.g.*:
  http://www.softwarefreedom.
org/resources/2007/
gpl-non-gpl-collaboration.html
  http://www.apache.org/licenses/
GPL-compatibility.html

There is a rich legal history on this
topic that you could briefly reference,
e.g., Napster, Morpheus, MegaUpload,
etc.

1.2   Patent

- Is there patentable material in your project? Have you applied? Are you applying?

  TODO

- Is the software that you are using patent encumbered in certain countries? Does this restrict the ability to redistribute your software?

  TODO

For example, many CODECS are patent encumbered in most of the developed world, and hence do not ship with many GNU/Linux distributions.

1.3   Trademark

TODO

1.4   Trade Secrets

TODO

1.5   Export Controls

In some countries, such as the United States, some technologies, such as cryptography, are restricted by export controls. For example, this is why OpenSSH and OpenBSD are developed in Canada.. If technology used in your project is subject to export or import controls in Canada, the United States, or the United Kingdom, please discuss.

TODO

http://www.openbsd.org/crypto.html

1.6   End User License Agreement or Terms of Service

If your project requires an End User License Agreement or a Terms of Service agreement, please provide and discuss it here.

TODO

There are some online tools for generating these, such as TermsFeed.com

2 Privacy

- Jurisdiction: Where will your software be run? Where will its users be? Which jurisdictions should be considered?

  TODO

- Canada: *Personal Information Protection and Electronic Documents Act (PIPEDA)*.

  TODO

- USA: *Health Insurance Portability and Accountability Act (HIPAA)*

  TODO

- Europe: *Data Protection Directive*

  TODO

Some provinces, such as Ontario, Quebec, Alberta, and British Columbia, have their own privacy legislation. This provincial legislation largely mirrors the federal legislation but is not identical, and in some cases the differences might count.

3 Industry Standards, Regulations, Norms

TODO: Identify and briefly discuss relevant industry standards, regulations, and norms that are relevant to your project. Some pointers to potentially relevant information below. Please delete those that are not relevant to your project, and expand those that are — plus, of course, add other relevant items not on this list.

- Avionics: DO-178C

- Medical Devices: ISO 13485, ISO 13488, GD211

- Security: Common Criteria

- Internet: IETF (Internet Engineering Task Force standards)

- Web: W3C (World Wide Web Consoritium)

- CAP Theorem

- Language standards: SQL, C, Java, *etc.*

- Google Material Design UI/UX Standard

- Apple Design UI/UX Standard

4   *Professional Ethics (PEO)*

- Duty to society.

  TODO

- Duty to employer.

  TODO

- Duty to employees.

  TODO

- Duty to colleagues.

  TODO

- Duty to clients.

  TODO

- Duty to the engineering profession.

  TODO

- Duty to self.

  TODO

5   *Society*

How does your project (potentially) impact society? You should consider a wide range of factors, including but not limited to: employment, education, economics, healthcare, equity, diversity, inequality, *etc.* Engineering is often about trade-offs. In many cases (but not all), some things improve at the cost of other things. Provide references as appropriate.

TODO

6   *Environment*

How does your project (potentially) impact the environment (if at all)? Provide references as appropriate.

TODO