

GENERAR DOCUMENTACIÓN ON-DEMAND

Todd Waits

Software Engineering Institute
Carnegie Mellon University
Pittsburgh, PA 15213



Incorporando Administrado Repositorios De Información Para Generar Documentación On-demand



Copyright 2015 Carnegie Mellon University

This material is based upon work funded and supported by the Department of Defense under Contract No. FA8721-05-C-0003 with Carnegie Mellon University for the operation of the Software Engineering Institute, a federally funded research and development center.

Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the United States Department of Defense.

References herein to any specific commercial product, process, or service by trade name, trade mark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by Carnegie Mellon University or its Software Engineering Institute.

NO WARRANTY. THIS CARNEGIE MELLON UNIVERSITY AND SOFTWARE ENGINEERING INSTITUTE MATERIAL IS FURNISHED ON AN “AS-IS” BASIS. CARNEGIE MELLON UNIVERSITY MAKES NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, AS TO ANY MATTER INCLUDING, BUT NOT LIMITED TO, WARRANTY OF FITNESS FOR PURPOSE OR MERCHANTABILITY, EXCLUSIVITY, OR RESULTS OBTAINED FROM USE OF THE MATERIAL. CARNEGIE MELLON UNIVERSITY DOES NOT MAKE ANY WARRANTY OF ANY KIND WITH RESPECT TO FREEDOM FROM PATENT, TRADEMARK, OR COPYRIGHT INFRINGEMENT.

This material has been approved for public release and unlimited distribution.

This material may be reproduced in its entirety, without modification, and freely distributed in written or electronic form without requesting formal permission. Permission is required for any other use. Requests for permission should be directed to the Software Engineering Institute at permission@sei.cmu.edu.

DM-0002175

Generar Documentación On-demand

**¿Que haces con un
problema como
documentación?**



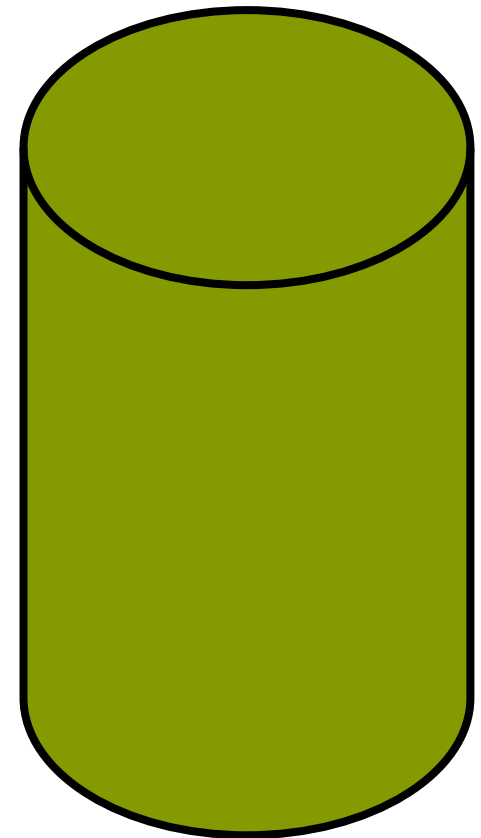
**https://
github.com/w8s/
docgenerator**

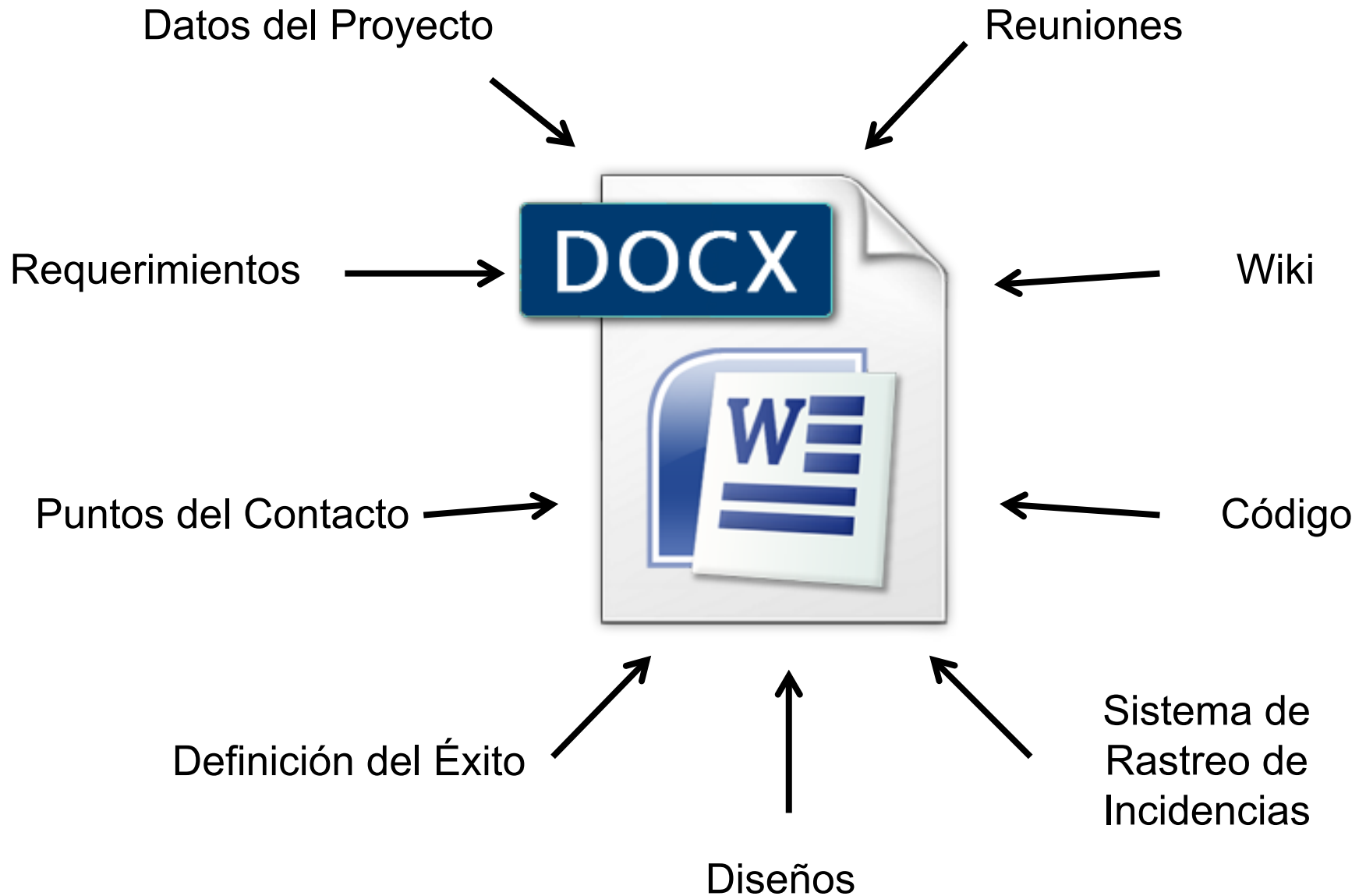


¿Qué son artefactos de documentación?



- *.doc(x)
- *.md
- *.pdf
- *.html
- *.ppt(x)





NombreDeProyecto-
EdR-20150217-
Revisión_2-TW-Final-
Corregido1-Final-
Entregado.docx



Si queremos algo
que sea útil, tiene
que ser utilizado



Herramientas para la Documentación de Código

- Sphinx
- Epydoc
- Doxygen
- pdoc



¿Qué versión define el éxito?



Cliente – Versión 1



Equipo – Versión 1,2

Mantener un solo
fuente para
generar artefactos
para el consumo
de la información.

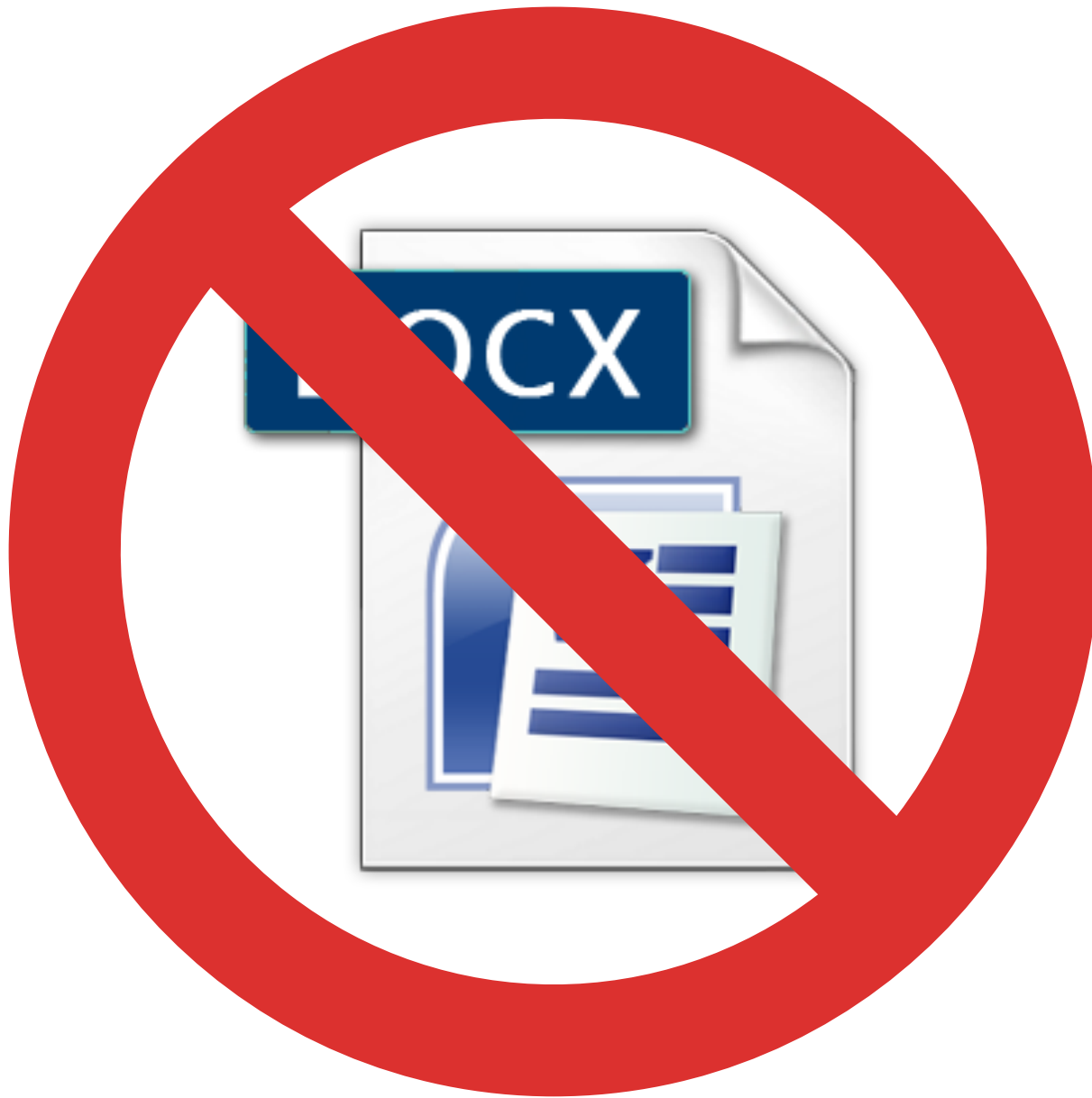


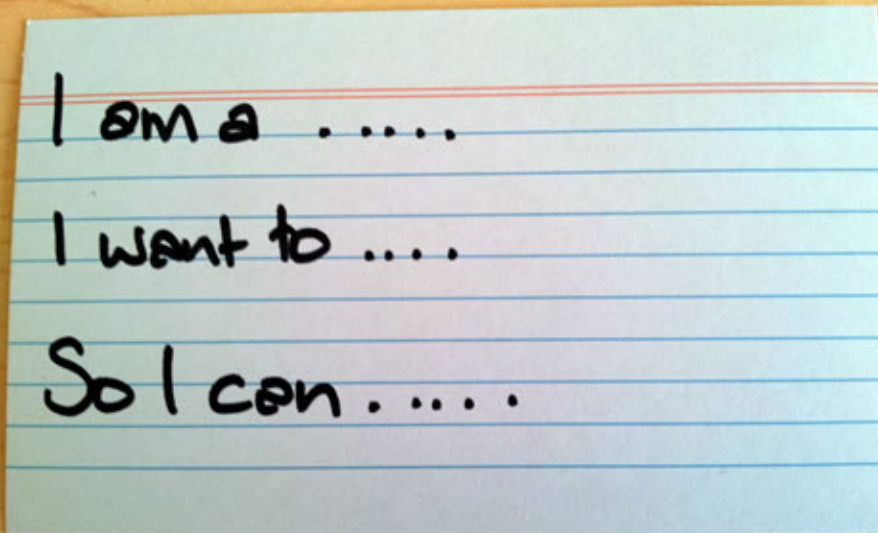
Mantenga la
información donde
está trabajando.



¿A dónde van los
ingenieros para
requerimientos o
tareas?







FogBugz

https://dauxer.fogbugz.com/cases/new

Cases New Case Email Search cases & wikis Schedules Discuss Wiki

Working On Starred

Title (Untitled)

Project Dauxer Area Front End Milestone All projects: Undecided

Category Bug Assigned To Primary Contact (Todd Waits) Status Active

Notify More Users

Correspondent

Priority 3 - Must Fix

Parent Case

Subcases

Due mm/dd/yyyy hh:mm AM

Estimate current:

Tags

Opened by Todd Waits 02/15/2015 (Today) 2:06 PM

Plain text Rich text

Use Command+Enter to quickly submit any case.

Open Cancel Attach files

Overview

Dauxer is a web application that hooks in with your issue tracker and project wiki to dynamically present requirements documentation.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quia ex cognitione facilius facta est investigatio rerum occultissimarum. Non semper, inquam; Verum esto: verbum ipsum voluptatis non habet dignitatem, nec nos fortasse intellegimus. Duo Reges: constructio interrete.

At iam decimum annum in spelunca iacet. Quid est enim aliud esse versutum? Respondeat totidem verbis. Quae autem natura suae primae institutionis oblita est? Sed quid attinet de rebus tam apertis plura requirere? Recte, inquit, intellegis.

Quod cum accidisset ut alter alterum necopinato videremus, surrexit statim. Ab his oratores, ab his imperatores ac rerum publicarum principes extiterunt. Et harum quidem rerum facilis est et expedita distinctio. Non risu potius quam oratione eiciendum? Multoque hoc melius nos veriusque quam Stoici. Progre dienibus autem aetatibus sensim tarde potius quasi nosmet ipsos cognoscimus. Idem iste, inquam, de voluptate quid sentit? Sit hoc ultimum bonorum, quod nunc a me defenditur;

Hoc tu nunc in illo probas. Quae cum dixisset paulumque institisset, Quid est? Occultum facinus esse potuerit, gaudebit; Quamquam ab iis philosophiam et omnes ingenuas disciplinas habemus; Quod autem in homine praestantissimum atque optimum est, id deseruit. Quid enim de amicitia statueris utilitatis causa expetenda vides.



Escribir una Vez



Generar Documentación On-demand
Configurar el Entorno



Requerimientos son Tareas



Twitter Filter: First 50 open cases https://github.com/w8s/dauxer

https://dauxer.fogbugz.com/f/filters/?maxrecords=50&sColumns=Category-Favorite-Case-TitleComment-Status-OpenedBy-RemainingTime-Priority&sSorts=Project-...

Cases New Case Email Search cases & wikis Schedules Discuss Wiki

Working On Starred

FILTER

First 50 open cases Refine Further
 sorted by Project sorted by Milestone sorted by Priority

Save More
 Select Columns

CASES IN DAUXER

	Case	Title	Status	Opened By	Remaining Ti...	Priority
<input type="checkbox"/>	3	Read "Requirement" case-types from FogBugz A case-ty...	Approved	Todd Waits		3 - Must Fix
<input type="checkbox"/>	6	Make sure it reads children cases.	Active	Todd Waits		3 - Must Fix
<input type="checkbox"/>	7	Reads multiple children cases.	Active	Todd Waits		3 - Must Fix
<input type="checkbox"/>	8	What about sub-sub-cases?	Active	Todd Waits		3 - Must Fix
<input type="checkbox"/>	4	Use the project wiki to populate the narrative portion of th...	Approved	Todd Waits		3 - Must Fix
<input type="checkbox"/>	9	Not handling IPN notifications properly IN THE IPN failure ...	Active	Todd Waits		3 - Must Fix

Add Case

Spam Reply Edit Assign Resolve Close Add Subcase Reactivate Reopen

Cases matching this filter	
Total	6
Cases without estimate	6
Total estimated time remaining	0 hours
Total elapsed time	0 hours

FogBugz Version 8.11.893 (DB 847, Build c4cc0aa54165) • Terms of Service



Datos Narrativos son Paginas de la Wiki



Twitter Overview - FogBugz docgenerator/README.md

https://dauxer.fogbugz.com/default.asp?W1

Cases New Case Email Search cases & wikis Schedules Discuss Wiki

Working On Starred

Dauxer

Search this wiki

New Article

PAGE COLLECTIONS

- Title Index
- Recently Changed
- Page Hierarchy
- Incomplete

ATTRIBUTES

- Tags

HIERARCHY

- Dauxer**
 - Appendix
 - Assumptions
 - Constraints
 - Definitions
 - Dependencies
- Show 4 More Pages

Last modified on 2/18/2015 (Today) 7:09 AM by Todd Waits.
Tags:

[View](#) [Edit](#) [Info](#) [Subscribe](#)

Overview

Daüxer is a web application that hooks in with your issue tracker and project wiki to dynamically present requirements documentation.

At iam decimum annum in spelunca iacet. Quid est enim aliud esse versutum? Respondeat totidem verbis. Quae autem natura suae primae institutionis oblita est? Sed quid attinet de rebus tam apertis plura requirere? Recte, inquit, intellegis.

Quod cum accidisset ut alter alterum necopinato videremus, surrexit statim. Ab his oratores, ab his imperatores ac rerum publicarum principes extiterunt. Et harum quidem rerum facilis est et expedita distinctio. Non risu potius quam oratione eiciendum? Multoque hoc melius nos veriusque quam Stoici. Progredientibus autem aetatibus sensim tardeve potius quasi nosmet ipsos cognoscimus. Idem iste, inquam, de voluptate quid sentit? Sit hoc ultimum bonorum, quod nunc a me defenditur;

Hoc tu nunc in illo probas. Quae cum dixisset paulumque institisset, Quid est? Occultum facinus esse potuerit, gaudebit; Quamquam ab iis philosophiam et omnes ingenuas disciplinas habemus; Quod autem in homine praestantissimum atque optimum est, id deseruit. Quid enim de amicitia statueris utilitatis causa expetenda vides.

Generar Documentación On-demand

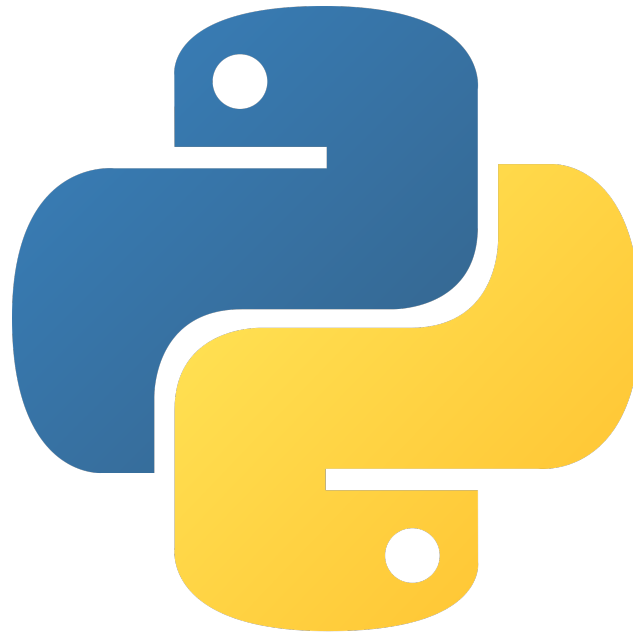
Combinando todo Junto





Flask

web development,
one drop at a time



Rutas, Lógica de Negocios, y Modelos de Presentación



Generar Documentación On-demand

Flask “Hola, Mundo”



Dos Routes:

```
@app.route("/")
```

```
@app.route("/project/<projectname>/")
```



```
@app.route("/")
```

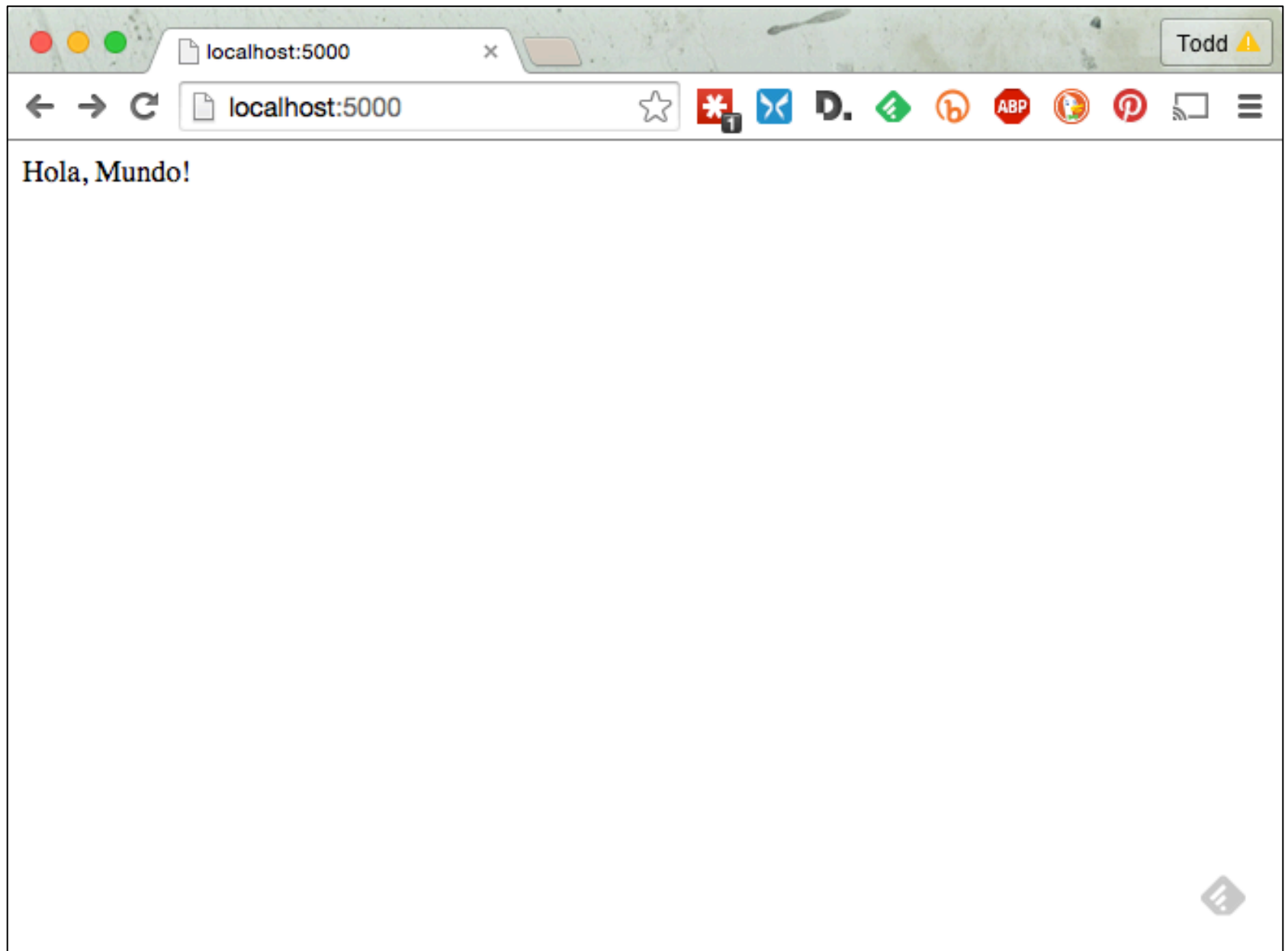


```
http://localhost/
```



```
@app.route("/")  
def hola():  
    return "Hola, Mundo!"
```






```
@app.route("/proyectos/<proyecto>/")
```

██████████

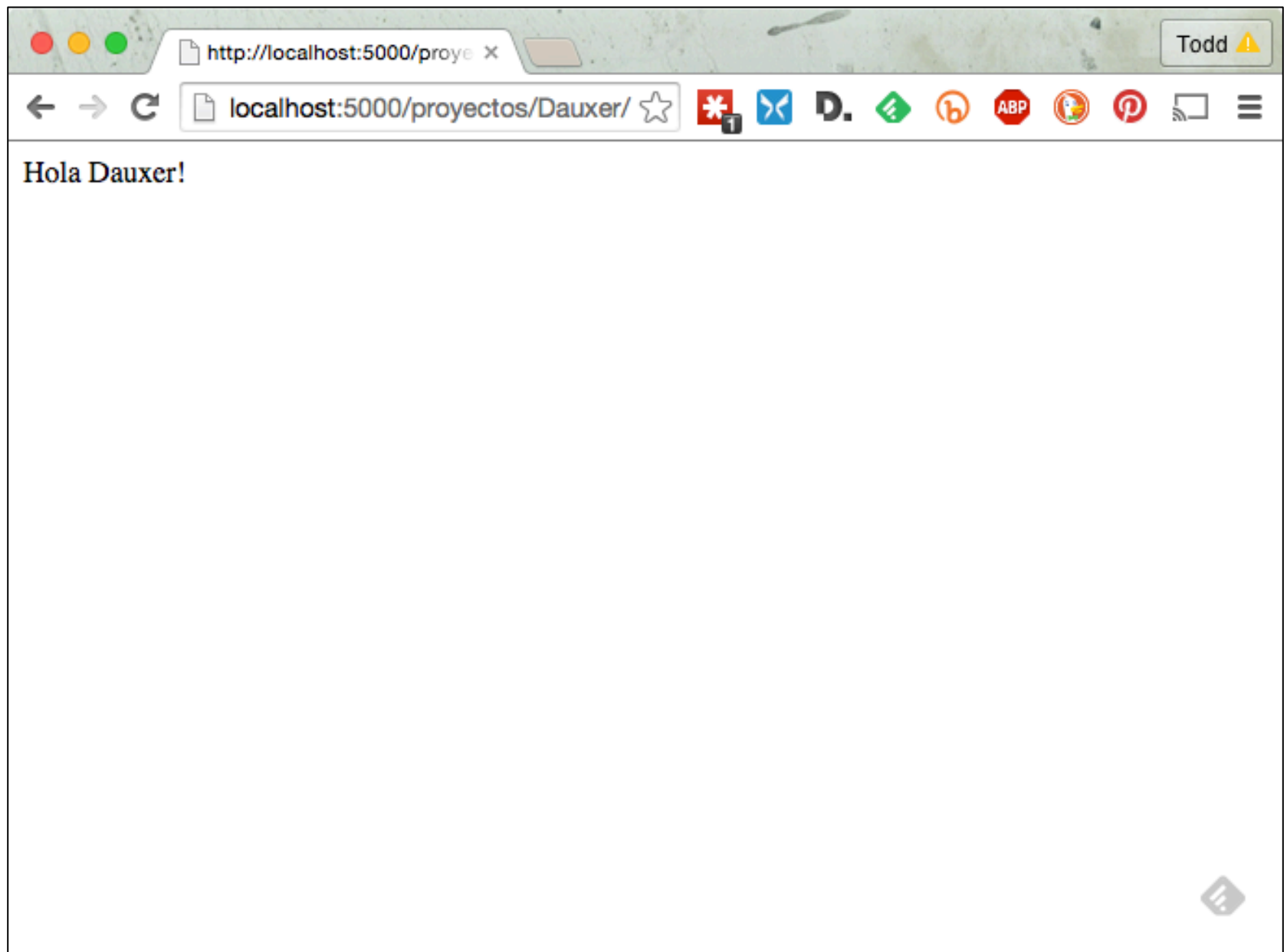
██████████

```
http://localhost/proyectos/Dauxer
```



```
@app.route("/proyectos/<proyecto>/")  
def project(proyecto):  
    return "Hola %s!" % proyecto
```





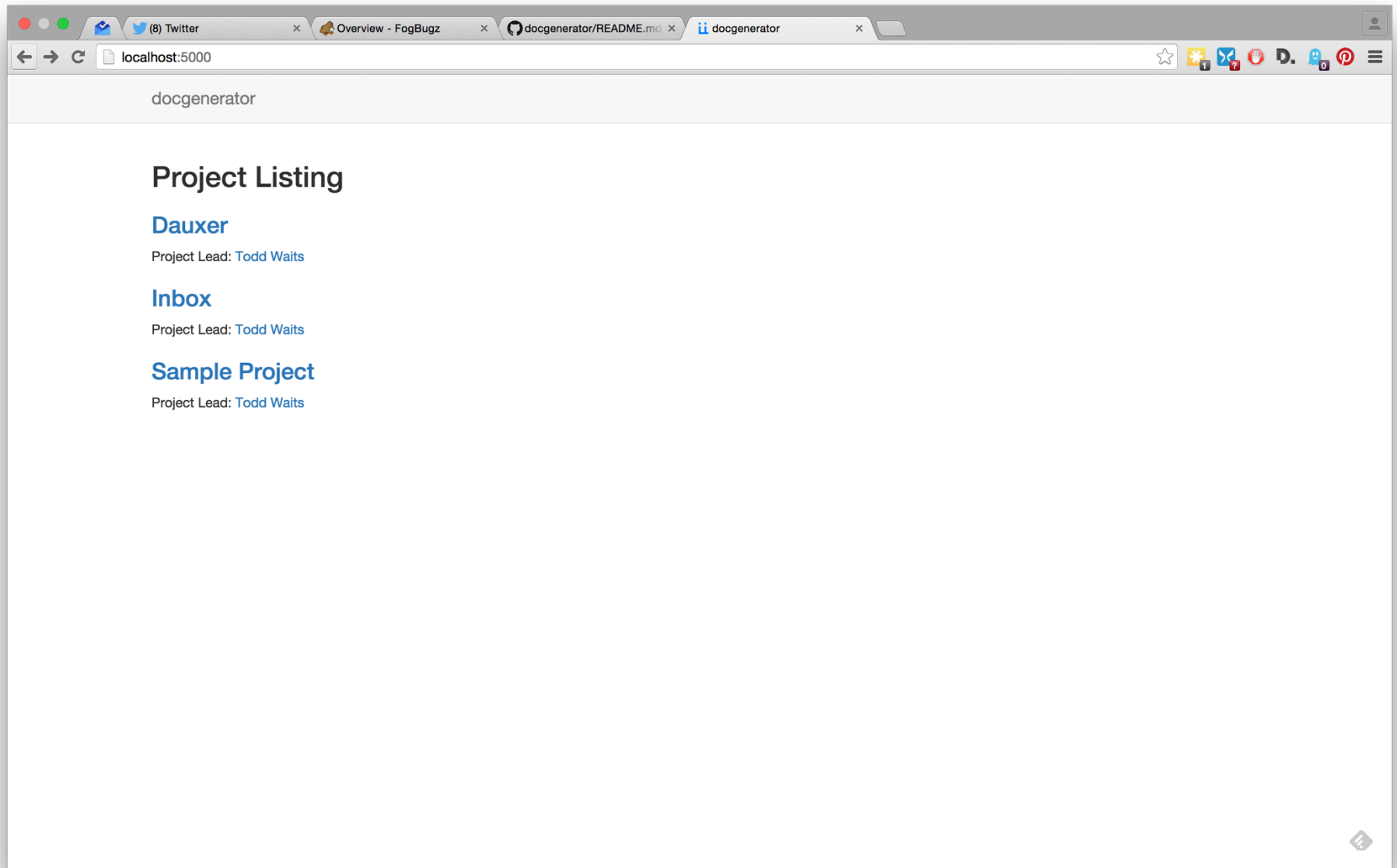
Generar Documentación On-demand

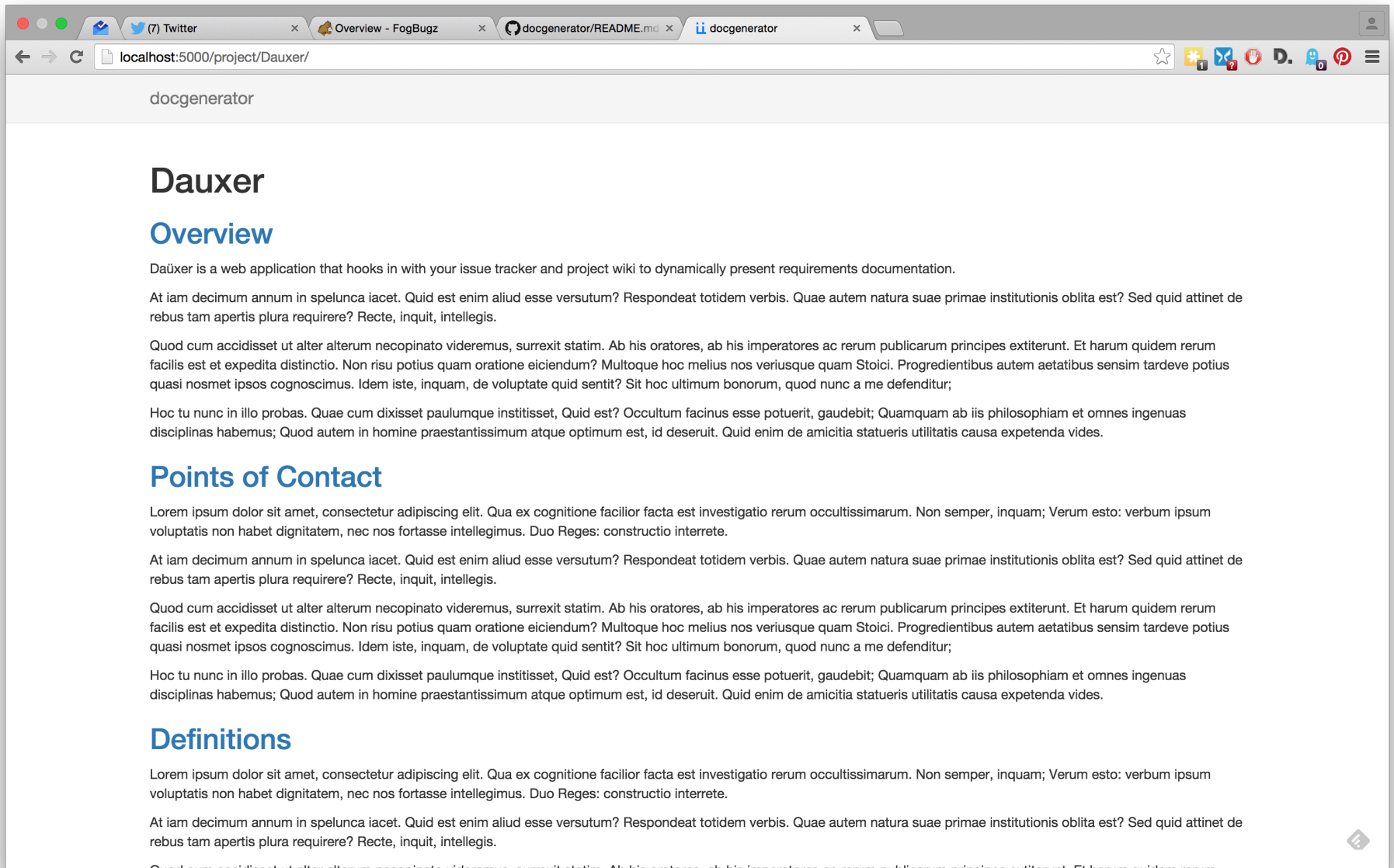
Explicación del Código



**https://
github.com/w8s/
docgenerator**







docgenerator

Hoc tu nunc in illo probas. Quae cum dixisset paulumque institisset, Quid est? Occultum facinus esse potuerit, gaudebit; Quamquam ab iis philosophiam et omnes ingenuas disciplinas habemus; Quod autem in homine praestantissimum atque optimum est, id deseruit. Quid enim de amicitia statueris utilitatis causa expetenda vides.

Requirements

Read "Requirement" case-types from FogBugz

ID: 3

Status: Approved **Area:** FogBugz Integration **Subcases:** 2

A case-type "Requirement" must be read in order to populate the "Requirements" section of the automatic documents.

Use the project wiki to populate the narrative portion of the requirements document

ID: 4

Status: Approved **Area:** FogBugz Integration **Subcases:** 0

We can use a static list of expected pages and only read from those. For example: ["Overview", "Points of Contact", "Scope"].

Appendix

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Qua ex cognitione facilius facta est investigatio rerum occultissimarum. Non semper, inquam; Verum esto: verbum ipsum voluptatis non habet dignitatem, nec nos fortasse intellegimus. Duo Reges: constructio interrete.

At iam decimum annum in spelunca iacet. Quid est enim aliud esse versutum? Respondeat totidem verbis. Quae autem natura suae primae institutionis oblita est? Sed quid attinet de rebus tam apertis plura requirere? Recte, inquit, intellegis.

Quod cum accidisset ut alter alterum necopinato videremus, surrexit statim. Ab his oratores, ab his imperatores ac rerum publicarum principes extiterunt. Et harum quidem rerum facilis est et expedita distinctio. Non risu potius quam oratione eiciendum? Multoque hoc melius nos veriusque quam Stoici. Progredientibus autem aetatibus sensim tardeve potius quasi nosmet ipsos cognoscimus. Idem iste, inquam, de voluptate quid sentit? Sit hoc ultimum bonorum, quod nunc a me defenditur;

Hoc tu nunc in illo probas. Quae cum dixisset paulumque institisset, Quid est? Occultum facinus esse potuerit, gaudebit; Quamquam ab iis philosophiam et omnes ingenuas disciplinas habemus; Quod autem in homine praestantissimum atque optimum est, id deseruit. Quid enim de amicitia statueris utilitatis causa expetenda vides.



Explicación de Código

- Definir las Rutas
- Visualización de la Lista de Proyectos
 - Obtener una lista de proyectos de la sistema de rastreo de incidencias
 - Mostrar la lista
- Construir el Documento
 - Pasar títulos de las página en la wiki
 - Obtener los datos del proyecto
 - Obtener las tareas
 - Obtener el contenido de la wiki
 - Mostrar el documento
- Contenido Dinámico



Información de Contacto

Presentador

Todd Waits

Project Lead

Telephone: +1 412.268.6243

Email: twaits@cert.org

@toddwaits

www.toddwaits.org

