

Visual Studio Team Services Work Items and Queries

Visual Studio Team Services

- Visual Studio Team Services is a platform taking care of all aspects of the process of developing software (the software development lifecycle)
- You can share Documents and Code with your Team, report Bugs, etc.

Visual Studio Team Services (VSTS)

• VSTS is a Source Code Control (SCC), Bug Tracking, Project Management, and Team Collaboration platform

www.visualstudio.com

- Integrated with Visual Studio
- VSTS is a Cloud Service
- Free for up to 5 users

Contents

- Bug Tracking
- Work Items
 - Bugs
 - New Features

• Queries

. . .



Bug Tracking

Bug Tracking Systems

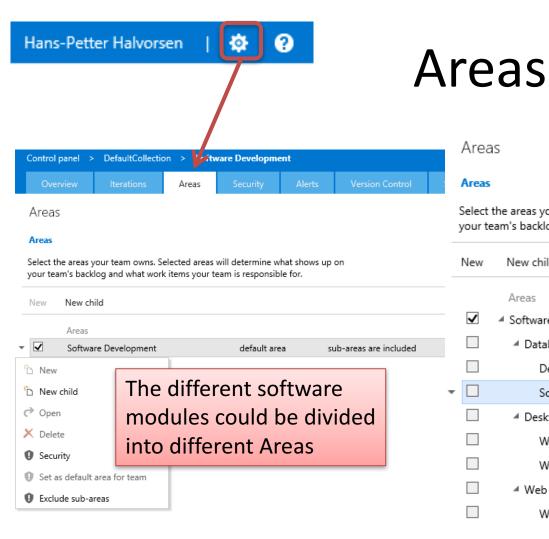
- A bug tracking system or defect tracking system is a software application that keeps track of reported software bugs in software development projects.
- Here I will demonstrate how to use VSTS to Report and Track Bugs in Software Development



Work Items

Work Items – New Bug

| New Bug 1*: WS is not working | | | | | | | | | | | |
|---|----------------------------|-----|-------------------|--------------------|-------------------------------|--|----------------------|-----------------|--|--|--|
| ₽ × | © 🤊 | 2 D | Copy template URL | | | | | | | | |
| Tags Add | I | | | | | | | | | | |
| WS is I | not working | | | | | | | | | | |
| STATUS | | | | CLASSIFI | ICATION | | PLANNING | | | | |
| | signed To <no one=""></no> | | | Area | Development Project 1\Desktop | | Stack Rank | | | | |
| Stat <u>e</u> Reason | Active | | | Ite <u>r</u> ation | Development Project | 1\Beta 👻 | Priority Severity | 2 3 - Medium | | | |
| | EPS SYSTEM IN | | - | | | | | | | | |
| | | | | | | HISTORY ALL LINKS ATTACHMENTS B / U the X III III | | | | | |
| B 7 U to X III II III III III IIII Work Items are used to Add Items to the Product Backlog, Report Bugs, etc. Lots of different Work Items Types exists. You can even create New Work Item Types | | | | | | DISCUSSION ONLY ALL CHAN [No entries with comments] | GES | | | | |



Example:

Areas

Areas

-

Select the areas your team owns. Selected areas will determine what shows up on your team's backlog and what work items your team is responsible for.

| | New | New child | | |
|---|-----|------------------------|--------------|------------------------|
| | | Areas | | |
| | ✓ | ▲ Software Development | default area | sub-areas are included |
| | | ▲ Database | | |
| | | Design | | |
| , | | Script | Set default | |
| | | ✓ Desktop | | |
| | | WinFormApp1 | | |
| | | WinFormApp2 | | |
| | | ⊿ Web | | |
| | | WebFormApp1 | | |
| | | | | |



Queries

Queries

- Used to find existing Work Items
- You may create different Queries to make it easy to find the Work Items you need
- Queries may be personal or visible for everybody in the project (Team Queries) New Query 1

| ľ | results editor | | | | | | | | | | |
|---|----------------|----------------|---------------|---------|--|-----|----------------------|------|-------------|--------|----------|
| | - | , ^e | ha 🄊 | C | olumn Options | | | | | | |
| ٦ | Type of | Query | Flat Lis | st of V | Vork Items Tar Work Items and Direct Links | 5 7 | 辑 Tree of Work Items | | | | |
| F | Filters f | or top | level work it | ems | | | | | | | |
| | | (日 | And/Or | | Field | 0 | Operator | Valu | le | | |
| 1 | + × | | | | Team Project | • | = * | @P | roject | | • |
| , | + × | | And | - | Work Item Type | • | = • | [Ar | [YI | | - |
| , | + × | | And | - | State | • | = * | [Ar | IY] | | • |
| , | Add new clause | | | | | | | | | | |
| | | Save qu | uery 🖸 | ¢ | 🚰 📩 🖂 🛛 Column Options | | | | | | |
| | ID | | Work Ite | Title | | | | | Assigned To | State | Tags |
| - | 1 | | Bug | Data | hase Error | | | | Hans-Rett | Activo | |

| | ID | Work Ite | Title | Assigned To | State | Tags |
|---|----|-----------|-----------------------|-------------|--------|------|
| - | 1 | Bug | Database Error | Hans-Pett | Active | |
| | 2 | Task | Add Web functionality | | New | |
| | 4 | Test Case | Test Empty Fields | Hans-Pett | Design | |
| | 3 | Test Case | Test Web Service | Hans-Pett | Design | |
| | 5 | Bug | WS is not working | | Active | |

Hans-Petter Halvorsen, M.Sc.



University College of Southeast Norway www.usn.no

E-mail: <u>hans.p.halvorsen@hit.no</u> Blog: <u>http://home.hit.no/~hansha/</u>

