Appendix B. Workpackages

WORKPACKAGES	Month	1	2	3	4	5	6	7	8	9	10	11	12
1: Project Management		X	X	X	X	X	X	X	X	X	X	X	X
2: Shibboleth IdP		X											
3: Web Service Interface			X	X									
4: 1st Pilot Service				X	X	X	X	X					
5: 2nd Pilot Service						X	X	X	X	X			
6: Campus Integration								X	X	X	X		
7: PMS Implementation										X	X		
8: Dissemination		X	X	X	X	X	X	X	X	X	X	X	X

Project start date: *01-06-2005*

Project completion date: *31-05-2006*

Duration: 12 months

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
YEAR 1					
WORKPACKAGE 1: Project Management **Objective: to ensure that the project runs to schedule and budget, and to liaise with JISC**					
1. Project Plan		30/06/05	**Project Plan**	*	IJT, NJ
2. Reporting			Reports as required by JISC		IJT, NJ
3. Financial Reporting			Reports as required by JISC		IJT
4. Financial Administration			Monitoring of budget with I.T. Services		IJT
5. Final Project Report	01/04/06	31/05/06	**Final Project Report**	*	IJT, NJ
6. Team Meetings & Management Committee	01/06/05	31/05/06	Minutes from meetings		IJT, NJ, WE,

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
					SG, MM, AV, ATP, SB
WORKPACKAGE 2: Shibboleth IdP with InQueue Objective: successful login by all pilot service users					
7. Basic Authentication	01/06/05	20/06/05	Login via InQueue for local test users	*	NJ
8. LDAP Authentication	20/06/05	30/06/05	Login via InQueue for all Exeter users	*	NJ
WORKPACKAGE 3: Web Service Interface Objective: unambiguous portal for pilot service users					
9. Define scope of service	01/07/05	04/07/04	Project goals, objections, assumptions & restrictions		NJ, WE, IJT
10. Conduct interviews	05/07/04	06/07/05	Summarised content from interviews		NJ
11. Document & analyse current system	07/07/05	08/07/05	Functional description		NJ
12. Define requirements	12/07/05	12/07/05	Set of ranked system objectives & physical requirements of new system		NJ
13. Identify constraints	13/07/05	13/07/05	Refined scope of service		NJ
14. Identify trade offs	13/07/05	13/07/05	Comparative tabulation of implications for users & administrators		NJ
15. Defining inputs & outputs	14/07/05	18/07/05	Data flow description		NJ
16. Code & build interfaces	19/07/05	22/07/05	Modules programed	*	NJ
17. Test & implement	25/07/05	29/07/05	Conclusion of interface trial	*	NJ
18. Review	01/08/05	01/08/05	**Main web service review**		NJ, WE, IJT

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
WORKPACKAGE 4: 1st Pilot Service **Objective**: to produce a working service for controlled set of campus users, initially to work with Shibboleth/Athens gateway					
19. Define scope of service	02/08/05	02/08/05	Defined set of users		NJ, WE, IJT
20. Conduct interviews	03/08/05	05/08/05	Summarised content from interviews		NJ
21. Define requirements	08/08/05	08/08/05	Set of ranked system objectives & physical requirements to authenticate campus users		NJ
22. Identify constraints	09/08/05	09/08/05	List of changes to be considered		NJ
23. Identify trade offs	09/08/05	09/08/05	Comparative tabulation of implications for users & administrators		NJ
24. Defining inputs & outputs	10/08/05	12/08/05	Data flow description		NJ
25. Code & build interfaces	15/08/05	17/08/05	Additional module programming	*	NJ
26. Test & implement	18/08/05	09/12/05	Conclusion of campus user trial	*	NJ
27. Review	14/09/05	14/09/05	**Campus user trial review**		NJ, WE, IJT, SG, MM, AV
28. Iterated service improvements using change management tracking	14/09/05	09/12/05	Bug fixes, enhancements, service changes as approved by management team		NJ, WE, IJT, SG, MM, AV
29. Contingency	15/09/05	30/09/05			

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
WORKPACKAGE 5: 2nd Pilot Service **Objective**: to extend 1st pilot to higher education institutions beyond campus, and to work with service providers with Shibbolised resources, e.g. MIMAS					
30. Define scope of service	15/09/05	15/09/05	Defined extended set of institutions & users		NJ, WE, IJT
31. Conduct interviews	10/10/05	19/10/05	Summarised content from interviews		NJ, IJT
32. Define requirements	01/10/05	20/10/05	Set of ranked system objectives & physical requirements to authenticate extended user base & new attribute authorities		NJ
33. Identify constraints	21/10/05	24/10/05	List of changes to be considered		NJ
34. Identify trade offs	25/10/05	25/10/05	Comparative tabulation of implications for users & administrators		NJ
35. Defining inputs & outputs	26/10/05	27/10/05	Data flow description		NJ
36. Code & build interfaces	28/10/05	11/11/05	Additional module programming		NJ
37. Test & implement extended user base	15/11/05	26/11/05	Valid logins by off campus users	*	NJ
38. Test & implement additional attribute authorities	29/11/05	10/12/05	Valid authorisation of newly Shibbolised resources	*	NJ
39. Review	12/12/05	14/12/05	**User and attribute review**		NJ, WE, IJT, SG, MM, AV
40. Iterated service improvements using change management tracking	12/12/05	28/02/06	Bug fixes, enhancements, service changes as approved by management team		NJ

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
WORKPACKAGE 6: Campus Integration **Objective**: **to explore wider Shibboleth use with other campus services, such as the portal, the VLE and library management system**					
41. Define set of campus service providers	10/12/05	09/01/06	List including WebCT, XPort portal and Library Management System		NJ, WE, IJT, AV, MM, SG
42. Conduct interviews	09/01/06	13/01/06	Summarised content from interviews		NJ
43. Trial SSO enabled campus solutions	10/12/05	20/01/06			NJ
44. Document & analyse current campus systems	16/01/06	25/01/06	List of specific interfaces of mutual systems		NJ
45. Define requirements	26/01/06	27/01/06	Protocol & permission issues, timeframes and availabilities		NJ
46. Identify constraints	30/01/06	30/01/06	List of changes to be considered		NJ
47. Identify trade offs	31/01/06	31/01/06	Comparative tabulation of implications for users & administrators		NJ
48. Defining inputs & outputs	01/02/06	03/02/06	Data flow description		NJ
49. Make implementation recommendations	06/02/06	10/02/06	**Assessment of costs, resources and development time for candidate systems**	*	NJ, WE, IJT
WORKPACKAGE 7: PMS Implementation **Objective**: **to explore wider Shibboleth implementation within the Peninsula Medical School**					
50. Define set of campus service providers, services and content	20/02/06	21/02/06			NJ, WE, IJT, AV, MM, SG
51. Conduct interviews with campus system admins	22/02/06	24/02/06			NJ

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
52. Document & analyse current campus systems for ID management	27/02/06	28/02/06			NJ
53. Define requirements for ID management	01/03/06	01/03/06			NJ
54. Identify constraints for ID management	02/03/06	02/03/06			NJ
55. Identify trade offs for ID management	03/03/06	03//03/06			NJ
56. Defining inputs & outputs to control processes for unified Shiboleth solution	06/03/06	10/03/06			NJ
57. Make implementation recommendations for a Shibboleth-enabled ID management system.	13/03/06	17/03/06	**Assessment of costs, resources and development time for the PMS**	*	NJ, WE, IJT
WORKPACKAGE 8: Dissemination **Objective**: to document & archive Shibboleth implementation; educate, train and inform colleagues within the University, across the South West and beyond.					
58. Project website	01/06/05	31/05/06	**Project website**	*	IJT, NJ
59. Training sessions	01/06/05	31/05/06	Presentations, questionnaires, documentation		NJ, IJT
60. Workshop	05/06	05/06	**Event for FE & HE**	*	NJ, WE, IJT, AV, MM, SG
61. Contributions to conferences		31/05/06	Presentations		NJ, IJT, WE
62. Publication of papers		31/05/06	Papers submitted to journals		NJ, IJT
63. Technical tools		31/05/06	Scripts with supporting documentation		NJ

Members of Project Team: **IJT** = Ian Tilsed, **NJ** = Nick Johnson, **WE** = Bill Edmunds, **SG** = Steve Grange, **MM** = Martin Myhill, **AV** = Anna Verhamme

Sponsors & Members of Project Committee (in addition to Team, above): **ATP** = Alasdair Paterson, **SB** = Sue Brooks