



MeetMe Planner Acceptance test plan

Version 1.0

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

MeetMe Planner	Version: 1.0
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MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Contents

- 1. Introduction.....6**
- 1.1. Purpose of this document.....6
- 1.2. Document Organization6
- 1.3. System Overview.....6
- 1.4. Intended Audience.....7
- 1.5. Scope7
- 1.6. Definitions and Acronyms.....7
 - 1.6.1. Definitions7
 - 1.6.2 Acronyms8
- 1.7. Security Test and Evaluation.....8
- 2. Referenced Documents9**
- 3. Testing.....9**
- 3.1. Environment9
 - 3.1.1. Manual Test9
 - 3.1.2. Automatic Test10
- 3.2. Prerequisites.....10
- 3.3. Features to be tested10

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

3.4. Features not to be tested	12
4. Test Cases.....	12
4.1. Registration.....	12
4.2. Registration with missing data.....	13
4.3. Registration with already used data	13
4.4. Log in.....	14
4.5. Log in with wrong password.....	14
4.6. Log out.....	15
4.7. Recover password	15
4.8. Recover password with wrong e-mail	16
4.9. Edit Profile	17
4.10. Edit Profile with wrong old password.....	18
4.11. Add Google Calendar.....	19
4.12. Add Calendar by URL.....	19
4.13. Import Calendar.....	20
4.14. Edit Google Calendar.....	21
4.15. Edit Calendar by URL.....	22
4.16. Edit imported Calendar	22
4.17. Delete calendar.....	23
4.18. Invite friends	24
4.19. Invite friends with invalid friend's e-mail.....	24
4.20. Invite friends with account	25
4.21. Synchronize calendar	25
4.22. See all events.....	26
4.23. Schedule event.....	27
4.24. Schedule event with event name forgotten.....	28

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.25.	Schedule event without description.....	29
4.26.	Schedule event with duration forgotten.....	29
4.27.	Schedule event with missing/wrong attendant's e-mail.....	30
4.28.	Delete event.....	31
4.29.	Edit event.....	31
4.30.	Choose time slot with account.....	32
4.31.	Choose time slot without account.....	33
4.32.	Run calculation manually.....	33

1. Introduction

1.1. Purpose of this document

The purpose of this document is to define plan for testing and verifying that system development during the project complies with the requirements of Requirement document.

1.2. Document Organization

The document is organized as follows:

- 1. Introduction: it defines a general overview of the project and guidelines for understanding the Acceptance Test Document
- 2. Referenced Documents: it defines the documents used to prepare Acceptance Test Document
- 3. Testing: it defines the test used to test the application, feature to be tested and criteria
- 4. Test Case: it defines the test cases and their specifications used for testing application

1.3. System Overview

The goal of this project is to develop an application that allows to schedule events and meetings better than those currently available. This application will manage to merge the information from

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

all attendances calendars and manage to find a free time slot that fits everyone. MeetMe planner will be able to draw information from Google Calendars to provide enough data for finding an appropriate time slot for the meeting. And the application will propose a time slot by respecting the privacy and security of the shared attendances calendars i.e. with minimum disclosure of the attendance plans

1.4. Intended Audience

The intended audience for this project is:

- Team Members
- Team Supervisors (Ivana Bosnić (FER) and Elisabetta Di Nitto (POLIMI))
- Official Project Customer (Michal Young)
- Other Project Customer (Professor Vannutelli)
- Stakeholders

1.5. Scope

Acceptance test plan tries to give an overall purpose of testing is to ensure the application meets all of its technical, functional and customers requirements and if the expected results were achieved. This document provides the framework for all testing related to this application. For this reason it includes the features and testing procedures, criteria for passing test and the expected results.

1.6. Definitions and Acronyms

1.6.1. Definitions

Keyword	Definition
Project Customer	The customer who requested the software product
User	A client who provided his credential to the system and has been authenticated by the system
Visitor	A non-authenticated User

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Event	User created happening
Time slot	An interval of time for the proposed event, that can be free or occupied
Planner	The tentative calendar containing free time slots of the participating users for the proposed event
User private calendar	Calendar provided by an external service connected to the respective user
Attendant	A user invited to a meeting
System	Our application

1.6.2 Acronyms

Acronym or abbreviation	Definition
DSD	Distributed Software Development
FER	Faculty of Electrical Engineering and Computing, Zagreb, Croatia
POLIMI	Politecnico of Milan, Milan, Italy

1.7. Security Test and Evaluation

In order to guarantee the security of the system and the user's privacy, each user is required to log in entering his e-mail and password to gain access to the Main Page of the application and all of its functionalities. The sensitive information needs to be protected: they are not visible to the other users. Moreover, the application can use the information in user's Google Calendar to define the best time for meeting. This happens respecting the privacy level chosen by the user initially.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

2. Referenced Documents

The following documents are used for preparation of Acceptance Test Document:

- Project Plan Document
Version 2.1
- Requirement Document
Version 2.0
- Design Document
Version 2.0

3. Testing

3.1. Environment

In order to have a more effective test, we decided to combine together the following tests:

- Manual Test
- Automatic Test

3.1.1. Manual Test

Team's members dealing with both back-end and front-end part of a user story respecting requirements written in Requirement Document. When a user story is finished, it is tested manually by the same team's member who has made it. Then it is tested by other team's members to ensure that all the requirements are met.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

3.1.2. Automatic Test

After the manual test, some members of the team take care of writing code for the automatic test for each user story. User stories have more possible scenarios. Automating test allows us to save time in long term: it can be run in every moment and everybody can check reports. For automatic testing we use a combination of few parts of “Cucumber” and “Watir-Webdriver”. “Ruby” is the programming language use for it.

3.2. Prerequisites

In order to perform automatic testing, first Ruby must be installed and Ruby code cloned from Github repository. All other libraries (e.g. Cucumber, Watir-Webdriver, selenium) will be installed automatically by running *bundle install* and *bundle update*.

All this tests can also be done manually.

3.3. Features to be tested

Features are to be tested are functional requirements. They are classify in the following table:

Test Case ID	Test Case Name
#1	Registration
#2	Registration with missing data
#3	Registration with already used data
#4	Log in
#5	Log in with wrong password
#6	Log out
#7	Recover password
#8	Recover password with wrong e-mail

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

#9	Edit profile
#10	Edit profile with wrong old password
#11	Add Google Calendar
#12	Add Calendar by URL
#13	Import Calendar
#14	Edit Google calendar
#15	Edit Calendar by URL
#16	Edit imported Calendar
#17	Delete calendar
#18	Invite friends
#19	Invite friends with invalid friend's e-mail
#20	Invite friends with account
#21	Synchronize calendar
#22	See all events
#23	Schedule event
#24	Schedule event with event name forgotten
#25	Schedule event without description
#26	Schedule event with missing duration
#27	Schedule event with missing/wrong attendant's e-mail

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

#28	Delete event
#29	Edit event
#30	Choose time slot with account
#31	Choose time slot without account
#32	Run calculation manually

3.4. Features not to be tested

Features are not to be tested are non-functional requirements.

4. Test Cases

4.1. Registration

Test Case ID	#1
Test Case Description	Registration
User story code	#1
Actor Involved	Visitor
Precondition	/
Main path	<ol style="list-style-type: none"> 1. Click <i>create an account</i> on the Login Page 1. Enter <i>Name, Surname, E-mail</i> and <i>Password</i> 2. Click <i>OK</i> button

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Expected result	Visitor is able to enter his data. New account is created. Visitor can now login into app.
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4.2. Registration with missing data

Test Case ID	#2
Test Case Description	Registration with missing data
User story code	#1
Actor Involved	Visitor
Precondition	/
Main path	<ol style="list-style-type: none"> 1. Click <i>create an account</i> on the Login Page 2. Leave some of required fields empty
Expected result	New account is not created and error message is displayed. Visitor is prompt to re-enter User's data.

4.3. Registration with already used data

Test Case ID	#3
Test Case Description	Registration with missing data
User story code	#1
Actor Involved	Visitor

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Precondition	/
Main path	<ol style="list-style-type: none"> 1. Click <i>create an account</i> on the Login Page 2. Enter already used e-mail
Expected result	New account is created and error message is displayed. Visitor is prompt to re-enter User's data.

4.4. Log in

Test Case ID	#4
Test Case Description	Log in
User story code	#2
Actor Involved	User
Precondition	User has account
Main path	<ol style="list-style-type: none"> 1. Navigate to the application Login Page 2. Enter his <i>E-mail</i> and <i>password</i>. 3. Click <i>sign in</i> button
Expected result	User is logged in into app. User is redirected to Home page.

4.5. Log in with wrong password

Test Case ID	#5
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MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Test Case Description	Log in with wrong password
User story code	#2
Actor Involved	User
Precondition	User has account
Main path	<ol style="list-style-type: none"> 1. Open application Login Page 2. Mistype your credentials 3. Click <i>sign in</i> button
Expected result	User is not able to log in and error message is displayed. User is prompt to re-enter his credentials.

4.6. Log out

Test Case ID	#6
Test Case Description	Log out
User story code	#2
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Click <i>log out</i> button
Expected result	User is no longer logged in into system. User is redirected to Login page.

4.7. Recover password

Test Case ID	#7
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MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Test Case Description	Recover password
User story code	#3
Actor Involved	User
Precondition	User has account
Main path	<ol style="list-style-type: none"> 1. Click <i>Forgot Password</i> on the Login Page 2. Enter his <i>e-mail</i> address 3. Click <i>send e-mail</i> button
Expected result	User has received email with new password. User is able to login to app with new password.

4.8. Recover password with wrong e-mail

Test Case ID	#8
Test Case Description	Recover password with wrong e-mail
User story code	#3
Actor Involved	User
Precondition	User has account
Main path	<ol style="list-style-type: none"> 1. Click <i>Forgot Password</i> on the Login Page 2. Enter non-existing <i>e-mail</i>
Expected result	Error message is displayed. Email is not be sent.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.9. Edit Profile

Test Case ID	#9
Test Case Description	Edit profile
User story code	#51
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Click on <i>avatar</i> image 2. Click <i>Options</i> button 3. Enter <i>aboutme</i> and/or <i>old password</i> and <i>new password</i> 4. Click <i>Save</i> button
Alternative path (A1)	<ol style="list-style-type: none"> 1. Click <i>Account</i> button 2. Click <i>Personal info</i> button 3. Click <i>Options</i> button 4. Enter <i>aboutme</i> and/or <i>old password</i> and <i>new password</i> 5. Click <i>Save</i> button
Expected result	User info is updated with new data. If password is changed, user is able to login with new one.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.10. Edit Profile with wrong old password

Test Case ID	#10
Test Case Description	Edit profile with wrong old password
User story code	#51
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Clicks <i>avatar</i> button 2. Clicks <i>Options</i> button 3. Mistype old password 4. Enter new password 5. Click Save button
Alternative path (A1)	<ol style="list-style-type: none"> 1. Click <i>Account</i> button 2. Clicks <i>Personal info</i> button 3. Clicks <i>Options</i> button 4. Mistype old password 5. Enter new password 6. Click Save button
Expected result	User data is not updated and error message is displayed. User is prompt to re-enter his data.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.11. Add Google Calendar

Test Case ID	#11
Test Case Description	Add Google Calendar
User story code	#52
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Add calendar</i> button 3. Click <i>Google calendar</i> button 4. Login to your Google account 5. Allow JustMeet application to access your data
Expected result	Google calendar is connected to profile. New calendar is listed on Profile page. User can edit or delete calendar.

4.12. Add Calendar by URL

Test Case ID	#12
Test Case Description	Add Calendar by URL

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

User story code	#52
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Add calendar</i> button 3. Click <i>By URL</i> button 4. Enter Calendar Name 5. Enter calendar URL 6. Click <i>Add</i> button
Expected result	Calendar is connected to profile. New calendar is listed on Profile page. User can edit or delete calendar.

4.13. Import Calendar

Test Case ID	#13
Test Case Description	Import Calendar
User story code	#52
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Add calendar</i> button 3. Click <i>Import calendar</i> button

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

	<ol style="list-style-type: none"> 4. Enter Calendar Name 5. Add your file 6. Click <i>Add</i> button
Expected result	Calendar is connected to profile. New calendar is listed on Profile page. User can edit or delete calendar.

4.14. Edit Google Calendar

Test Case ID	#14
Test Case Description	Edit Google Calendar
User story code	#53
Actor Involved	User
Precondition	User has account, user is logged in, user has added Google calendar
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Edit</i> next to the calendar that you want to edit 3. Login to your Google account 4. Allow JustMeet application to access your data
Expected result	Old calendar is replaced with new one. New calendar is listed on Profile page. User can edit or delete calendar.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.15. Edit Calendar by URL

Test Case ID	#15
Test Case Description	Edit Calendar by URL
User story code	#53
Actor Involved	User
Precondition	User has account, user is logged in, user has added calendar by URL
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Edit</i> button next to the calendar that you want to edit 3. Change <i>Calendar name</i> and/or new calendar URL 4. User clicks <i>Update</i> button
Expected result	Old calendar is replaced with new one. New calendar is listed on Profile page. User can edit or delete calendar.

4.16. Edit imported Calendar

Test Case ID	#16
Test Case Description	Edit imported Calendar
User story code	#53
Actor Involved	User
Precondition	User has account, user is logged in, user has imported calendar

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Edit</i> button next to the calendar that you want to edit 3. Change <i>Calendar name</i> and add upload Calendar file 4. User clicks <i>Update</i> button
Expected result	Old calendar is replaced with new one. New calendar is listed on Profile page. User can edit or delete calendar.

4.17. Delete calendar

Test Case ID	#17
Test Case Description	Delete calendar
User story code	#54
Actor Involved	User
Precondition	User has account, user is logged in, user has added a calendar
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click <i>Delete</i> button next to the calendar that you want to delete
Expected result	Calendar is deleted from User account. Calendar is no longer listed on Profile page.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.18. Invite friends

Test Case ID	#18
Test Case Description	Invite friends
User story code	#7
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Click <i>Invite Friends</i> button 2. Enter valid e-mail 3. Click <i>Invite</i>
Expected result	User can invite his friends. Invitation mail is sent to a friend. Success message is displayed.

4.19. Invite friends with invalid friend's e-mail

Test Case ID	#19
Test Case Description	Invite friends with invalid friend's e-mail
User story code	#7
Actor Involved	User
Precondition	User has account, user is logged in

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Main path	<ol style="list-style-type: none"> 1. User clicks <i>Invite Friends</i> button 2. User enters invalid e-mail (Wrong format)
Expected result	Error message is displayed and mail is not sent.

4.20. Invite friends with account

Test Case ID	#20
Test Case Description	Invite friends with account
User story code	#7
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. User clicks <i>Invite Friends</i> button 2. User enters e-mail of already existing user
Expected result	Error message is displayed and mail is not sent.

4.21. Synchronize calendar

Test Case ID	#21
Test Case Description	Synchronize calendar
User story code	#10

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Actor Involved	User
Precondition	User has account, user is logged in, user has added a calendar
Main path	<ol style="list-style-type: none"> 1. Navigate to Profile page 2. Click on <i>Synchronize calendar</i> button next to the calendar that user wants to synchronize
Expected result	User can synchronize his calendars. Application now has up to date version of calendar.

4.22. See all events

Test Case ID	#22
Test Case Description	See all events
User story code	#121
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Navigate to Home page 2. Click on event to see details
Expected result	User can see all his events in calendar. User can see details of each event.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.23. Schedule event

Test Case ID	#23
Test Case Description	Schedule event
User story code	#4
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Click <i>Meetings</i> button 2. Click <i>Create event</i> button 3. Enter <i>Event name</i> 4. Enter <i>Description</i> 5. Enter <i>Must read before meeting</i> 6. Enter <i>Duration in minutes</i> 7. Click chosen day in <i>time slots</i> 8. Select <i>Starting Time</i> 9. Enter attendant's e-mail 10. Repeat operations 7 and/or 8 and/or 9 several times 11. Select <i>mandatory</i> if attendant meeting participation is mandatory 12. Enter <i>tags</i>

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

	13. Click <i>Create event</i> button
Expected result	User can create meeting. Email with event information's is sent to all attendants.

4.24. Schedule event with event name forgotten

Test Case ID	#24
Test Case Description	Schedule event with event name forgotten
User story code	#4
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Click <i>Meetings</i> button 2. Click <i>Create event</i> button 3. Enter all event data except <i>Event name</i>
Expected result	Event is not created and error message will be displayed. User is prompt to re-enter event name.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.25. Schedule event without description

Test Case ID	#25
Test Case Description	Schedule event without description
User story code	#4
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. User clicks <i>Meetings</i> button 2. User clicks <i>Create event</i> button 3. Enter all event data except <i>Description</i>
Expected result	Event is not created and error message will be displayed. User is prompt to re-enter event description.

4.26. Schedule event with duration forgotten

Test Case ID	#26
Test Case Description	Schedule event with duration forgotten
User story code	#4
Actor Involved	User
Precondition	User has account, user is logged in

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Main path	<ol style="list-style-type: none"> 1. Click <i>Meetings</i> button 2. Click <i>Create event</i> button 3. Enter all event data except <i>Duration in minutes</i>
Expected result	Event is not created and error message will be displayed. User is prompt to re-enter event duration.

4.27. Schedule event with missing/wrong attendant's e-mail

Test Case ID	#27
Test Case Description	Schedule event with missing/wrong attendant's e-mail
User story code	#4
Actor Involved	User
Precondition	User has account, user is logged in
Main path	<ol style="list-style-type: none"> 1. Click <i>Meetings</i> button 2. Click <i>Create event</i> button 3. Leave <i>attendant's e-mail</i> field empty or enter invalid email
Expected result	Event is not created and error message is displayed. User is prompt to re-enter event attendant's

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.28. Delete event

Test Case ID	#28
Test Case Description	Delete event
User story code	#123
Actor Involved	User
Precondition	User has account, user is logged in, user has events
Main path	<ol style="list-style-type: none"> 1. On Home Page click on event 2. Click <i>Delete</i> button
Expected result	User can delete event. Event is no longer visible to user.

4.29. Edit event

Test Case ID	#29
Test Case Description	Edit event
User story code	# 122
Actor Involved	User
Precondition	User has account, user is logged in, user has events
Main path	<ol style="list-style-type: none"> 1. On Home Page click on event 2. Change event data

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

	3. Click <i>Save</i> button
Expected result	User can edit event. Event details are updated.

4.30. Choose time slot with account

Test Case ID	#30
Test Case Description	Choose time slot
User story code	# 8
Actor Involved	Attendant
Precondition	Attendant has account
Main path	<ol style="list-style-type: none"> 1. Open link received via event invitation email 2. Login into app 4. Select preferred time slots 5. Enter email 6. Submit choice
Expected result	Attendant with account who did not shared his/her calendars can choose preferred time slots.

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

4.31. Choose time slot without account

Test Case ID	#31
Test Case Description	Choose time slot without account
User story code	# 8
Actor Involved	Attendant
Precondition	Attendant does not have account
Main path	<ol style="list-style-type: none"> 1. Open link received via event invitation email 2. Signup into app or dismiss dialog 4. Select preferred time slots 5. Enter email 1. 6. Submit choice
Expected result	Attendant without account his/her calendars can choose preferred time slots.

4.32. Run calculation manually

Test Case ID	#32
Test Case Description	Run calculation manually
User story code	#11
Actor Involved	User

MeetMe Planner	Version: 1.0
Acceptance Test Plan	Date: 2015-30-12

Precondition	User has account, user is logged in, user has events
Main path	
Expected result	As an User I want to be able to get potential event time