

# Skill-It

Group 4

**Members:** Madhav Jhawar, Daniel Bendersky,  
Jeremy Hong, Braeden Turner, Ryan Franzosa

**Manager:** Trent Maziarz

University of  
Massachusetts  
Amherst

BE REVOLUTIONARY™



# Description

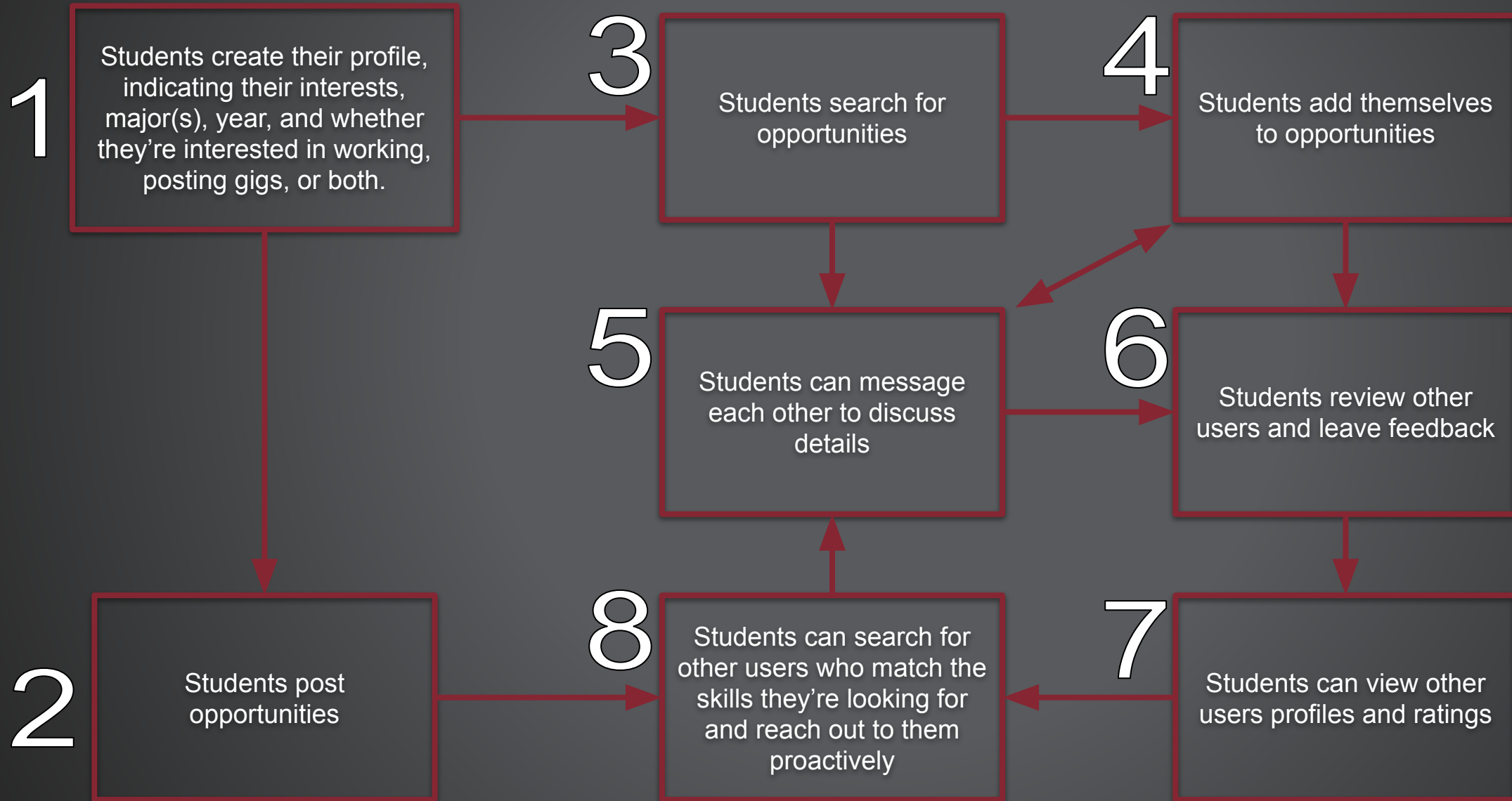
We are building a skill-based student marketplace. The way this works is students create a profile with the fields of majors, year, and whether they're interested in working, posting gigs, or both. Students who selected posting gigs are then able to post opportunities, and students who selected that they were interested in working can pick up these opportunities by searching for them. Students are then able to add themselves to these opportunities.

There will be a messaging platform built-in that allows students to discuss with one another the details of the opportunities. Students who worked with other students on opportunities can review each other and leave feedback.

Students can then view other students' profiles and their ratings, and can search for other users who match the skills they're looking for and reach out to them proactively.



# Use Case Flowchart



# 1. Creating User Profile

The UMass Student enters the platform and selects 'Sign Up'. The System directs the Student to the registration form and prompts the Student to enter their profile information. The Student can apply any number of predetermined skills, or “tags” to highlight on their profile. Once done with the registration, the Student selects 'Create Profile' and the System validates and stores a new record that can be used for future login.

# 1: Creating User Profile cont.

Goal	UMass Student creates a user profile
Primary Actor	UMass Student
Precondition	Student is not logged in and is directed to login screen
Success End Condition	A new record is created for the Student and an active session is started
Failure End Condition	No user data is saved, Student remains on sign-up page with error feedback
Trigger	Student selects 'Sign Up' on login screen
Main Success Scenario	<ol style="list-style-type: none"><li>1. Student opens platform</li><li>2. Student is directed to login screen and selects 'Sign Up'</li><li>3. System redirects Student to registration form</li><li>4. Student enters required information and selects 'Create Profile'</li><li>5. System stores entered data and a new student profile is created.</li><li>6. System redirects Student to main dashboard</li></ol>
Variations (Error Scenarios)	<p>3a. Student entered invalid information (no '@' in email)/ left required fields blank</p> <p>3b. Student record is already present and the system offers link redirecting Student to login screen.</p>
Variations (Alternative Scenarios)	4a. Student decides to not complete registration and selects 'Cancel'

## 2. Posting an opportunity

**Once logged in, a student is able to post about new opportunities which they are looking for help with. The student will select a name, category, and optional image for the post. They can also add a description and select from the set of predefined skills they're looking for (tags). Once they hit post, the opportunity will show up in relevant searches on the website and in the user's profile page.**

## 2: Posting an Opportunity - Dan

Goal	Students post opportunities
Primary Actor	UMass student looking for help
Precondition	Student must have an account created on the platform and must be verified as a student
Success End Condition	Opportunity can appear in student's searches
Failure End Condition	Student is notified that their event is not valid
Trigger	When a student is looking for help on a project, gig, or startup
Main Success Scenario	<ol style="list-style-type: none"><li>1. Student writes a name for the opportunity</li><li>2. Student selects a category for the opportunity</li><li>3. (Optional) Student may upload an image, add a description, and select relevant skills for the opportunity.</li><li>4. Student hits the post button.</li><li>5. Opportunity is stored in system data and appears in relevant searches and on the user's profile.</li></ol>
Variations (Error Scenarios)	<ul style="list-style-type: none"><li>-Student fails to enter a name or category</li><li>-Student forgets to hit post button</li></ul>
Variations (Alternative Scenarios)	<ul style="list-style-type: none"><li>-Student comes back to edit the post later on</li><li>-Category of opportunity does not match any categories available</li></ul>

### 3. Searching/filtering opportunities and people

**A student accesses the opportunities page, and wants to search for specific opportunities for work. They can search for keywords, or apply filters based on the job description of predetermined “tags” (major, time requirement, skills, etc.). The user can also search or filter people who are explicitly open for opportunities to reach out to them directly.**



### 3: Searching/filtering opportunities and people- Braeden

Goal	Search/filtering options for work opportunities and profiles
Primary Actor	UMass student
Precondition	UMass student has logged on. User is interested in specific work opportunities or finding other students open to work.
Success End Condition	Relevant work opportunities or students appear on UI.
Failure End Condition	No relevant work opportunities or students appear after search/filter.
Trigger	User types in search bar or applies specific filters
Main Success Scenario	<ol style="list-style-type: none"><li>1. User logs onto website</li><li>2. User goes to work opportunities page or profiles page</li><li>3. User types in search bar for specific opportunities/people or applies filters</li><li>4. Relevant opportunities/people appear that a user can click on for more info</li></ol>
Variations (Error Scenarios)	Search/filtering system does not work. By default, all work opportunities/people should appear on page through infinite scroll, so user can see all opportunities regardless.
Variations (Alternative Scenarios)	N/A

## 4: Students add themselves to opportunities

A student searches for gig opportunities. Student “signs-up” for the gig. The page will alert the student that a notification was sent to the gig requestor and a message channel between the student and the requestor is opened for questions. Student will wait for requestor to either message them directly for questions and/or accept/reject the student for the gig. Student may revisit the site and log-in and see the message channel and status of the offer.

## 5. Messaging between Students

**After a student accepts an opportunity, a messaging thread is established. The student can then open that messaging thread and begin to say any message, which is usually going to be clarifying questions before they start their work. After sending a message, the student who posted the opportunity receives the message and has the opportunity to reply back to it. After the “student employer” replies back to the student, the student may ask more questions. This messaging process repeats until the student who picked up the opportunity is ready to begin their work. The messaging thread will be open during the duration of the project.**

## 5: Messaging between Students - Madhav

Goal	Messaging and asking questions before a student begins their work
Primary Actor	UMass student(s)
Precondition	The student is logged in and found a help request they are interested in
Success End Condition	A messaging thread is established where students can ask clarifying questions about the help request
Failure End Condition	The student is not able to message the “student employer.”
Trigger	The student presses “message” on the job posting, which will have the “student employers’ conditions” attached
Main Success Scenario	<ol style="list-style-type: none"><li>1. The student logs onto the website</li><li>2. The student finds a help request</li><li>3. The student accepts the request</li><li>4. The student presses their “student employer” and messages them; a messaging thread is then established</li></ol>
Variations (Error Scenarios)	<ol style="list-style-type: none"><li>1. The “student employer” doesn’t receive the message; the message doesn’t go through</li><li>2. Once the student employer receives the message, they’re not able to reach the student messenger</li></ol>
Variations (Alternative Scenarios)	<ol style="list-style-type: none"><li>1. The student is able to edit or modify their message</li></ol>



## 6: Leaving Feedback and Rating

Once a student has completed a gig posted on the site and both the worker and requestor agreed the job has been completed, the site gives an opportunity to give feedback to both the worker and requestor. Either party clicks on link and is forwarded to a form to leave a rating and feedback. If the requester requested a group of students, requester has an opportunity to either holistically or individually evaluate them.

After completing the form, the party clicks submit and the system stores the form and appends a compacted version to the other party's public profile.

## 6: Leaving Feedback and Rating

Goal	Student leaves feedback and rating on other students after a job.
Actors	Students. Two student parties: one gig requestor and one gig seeker.
Precondition	Student logged on application and the gig posted has been completed
Success End Condition	Student successfully left a rating and accompanying feedback on the other student party
Failure End Condition	Student failed to leave a rating and feedback on the other student party
Secondary Actors	The opposing party: either the requestor or job seeker
Trigger	Gig has been completed (agreed by both parties) and either party wants give feedback.

## 6: Leaving Feedback and Rating cont.

Main Success Scenario	<ol style="list-style-type: none"><li>1. Student logs in to account</li><li>2. System lists completed gigs and an opportunity to leave a feedback on the other party</li><li>3. Student clicks on one of those links</li><li>4. System redirects student to a feedback page</li><li>5. Student lists rating and accompanying feedback</li><li>6. Student submits</li><li>7. System stores and post the review underneath student's profile</li></ol>
Variations (Error Scenarios)	<ol style="list-style-type: none"><li>1a. Student fails to log in via wrong user or password</li><li>3a. student declines to give feedback</li><li>4a. System fails to load in link due to network or internal error</li><li>5a. Student fails to fill form our correctly</li><li>6a. Student presses cancel</li><li>7a. System fails to store and post the review due to network or internal error</li></ol>
Variations (Alternative Scenarios)	<ol style="list-style-type: none"><li>1. Student is already logged in to account</li><li>2. Student and requestor both mark gig as done</li><li>3. Notifies both party an opportunity to leave a quick feedback on the other party</li><li>4. steps 3-7</li></ol>

## 7. Viewing user profiles

**Student searches for a list of profiles or gig opportunities. Student clicks on either the requestor profile directly or the requestor profile listed in the gig. System redirects user to a page that describes the profile. The profile includes the requestor's name, year, major, previous gigs posted/worked on, and a compact slide show of feedback and ratings.**



## 8. Creating new Tags

**When applying tags to profiles and opportunities, Students can choose to create a new tag. In the dropdown of predefined tags, the Student can choose “Create new tag” to better reflect skills not present in the current list. The Student will type the new tag name in a textbox and the System will validate for uniqueness and store the new tag. The tag will now be present for all Students creating profiles, searching, or posting opportunities.**

The End

University of  
Massachusetts  
Amherst BE REVOLUTIONARY™

